AFCESA-TR-2006-0012

DESIGN, CONSTRUCTION, MAINTENANCE, AND EVALUATION OF THE MCMURDO SOUND (ANTARCTICA) SEA ICE RUNWAY FOR HEAVY WHEELED AIRCRAFT OPERATIONS

ENGINEERING TECHNICAL LETTER

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14. ABSTRACT

This ETL provides design, construction, and maintenance details, dimensional criteria, and structural evaluation guidance for operations of heavy wheeled aircraft at the Sea Ice Runway located on McMurdo Sound near McMurdo Station, Antarctica. This runway is operated by the U.S. Antarctic Program (USAP) and primarily supports Air Force aircraft. These criteria are written specifically for the Sea Ice Runway site in Antarctica. This site does not meet the requirements for a Class B runway. Additionally, some terminology used herein (i.e., in the tables on dimensional requirements) differs from that used in Unified Facilities Criteria (UFC) 3-260-01, Airfield and Heliport Planning and Design. The concepts are generally applicable to any runway composed of sea ice, with or without a thin layer of snow.

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DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE CIVIL ENGINEER SUPPORT AGENCY

19 JUL 2006

FROM: AFCESA/CES
139 Barnes Drive, Suite 1
Tyndall AFB FL 32403-5319

SUBJECT: **Engineering Technical Letter (ETL) 06-7: Design, Construction, Maintenance, and Evaluation of the McMurdo Sound (Antarctica) Sea Ice Runway for Heavy Wheeled Aircraft Operations**

1. Purpose. This ETL provides design, construction, and maintenance details, dimensional criteria, and structural evaluation guidance for operations of heavy wheeled aircraft at the Sea Ice Runway located on McMurdo Sound near McMurdo Station, Antarctica. This runway is operated by the U.S. Antarctic Program (USAP) and primarily supports Air Force aircraft. The Sea Ice Runway has previously supported C-130 Hercules, C-141 Starlifter, C-17 Globemaster III, and C-5 Galaxy aircraft. For many years, C-130, C-141, and C-17 aircraft have performed routine operations from an exposed graded sea ice surface; since 2002, they have occasionally operated on a sea ice surface overlain by either a moderately processed thin snow cap or a thin layer of fresh, loose snow.

These criteria are written specifically for the Sea Ice Runway site in Antarctica. This site does not meet the requirements for a Class B runway. Additionally, some terminology used herein (i.e., in the tables on dimensional requirements) differs from that used in Unified Facilities Criteria (UFC) 3-260-01, *Airfield and Heliport Planning and Design*. The concepts are generally applicable to any runway composed of sea ice, with or without a thin layer of snow.

This ETL supersedes ETL 05-2, *Design, Construction, Maintenance, and Evaluation of the McMurdo Sound (Antarctica) Sea Ice Runway for Heavy Wheeled Aircraft Operations*.

Note: The use of the name or mark of any specific manufacturer, commercial product, commodity, or service in this ETL does not imply endorsement by the Air Force.

2. Summary of Revisions: This ETL is substantially revised and must be completely reviewed.

3. Application: All Department of Defense (DOD) and USAP (managed by the National Science Foundation [NSF]) organizations responsible for the design, construction, maintenance, and evaluation of the McMurdo Sound Sea Ice Runway.

3.1. It is anticipated that all field measurements and data collection prescribed in this ETL can and will be accomplished by knowledgeable personnel in the USAP and

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deployed to Antarctica as part of their occupational performance. This does not preclude Air Force certification teams traveling to McMurdo Station to complete an evaluation; however, due to the logistics, coordination, cost, and uncertain nature of travel to and work in Antarctica, it is more likely that the USAP McMurdo Area Airfields Manager will be responsible for following all ETL guidelines for data collection.

3.2. Only Headquarters Air Mobility Command (HQ AMC) can determine the suitability of the airfield for operations of HQ AMC aircraft. It will be the USAP McMurdo Area Airfields Manager's responsibility to deliver all data and measurements, in the format prescribed in this ETL, to the HQ Civil Engineering Operations Division, Infrastructure Support (AMC/A7OI) contact (see paragraph 11) or his designee. HQ AMC will review the submittal and communicate its findings and decisions back to the airfields manager, who will be responsible for any remedial actions and communicating the airfield status (e.g., open, closed, open with restrictions) to all impacted operational elements. When HQ Civil Engineering Operations Division determines that the airfield meets the criteria specified in this ETL, HQ Operations (AMC/A36AS) will be notified, and they, in turn, will give approval for aircraft operations.

3.3. Authority: Air Force Policy Directive (AFPD) 32-10, *Installations and Facilities*.

3.4. Effective Date: Immediately.

3.5. Ultimate Recipients:

- Air Force civil engineers, USAP, and contractors responsible for the planning, design, construction, maintenance, and evaluation of airfields.
- U.S. Army Corps of Engineers (USACE) and DOD offices responsible for the planning, design, maintenance, and construction of airfields.

3.6. Coordination: HQ Air Mobility Command, Civil Engineering Operations Division, Infrastructure Support (HQ AMC/A7OI).

4. References:

4.1. Air Force:

- AFPD 32-10, *Installations and Facilities*, available at http://www.e-publishing.af.mil/afpubs.asp
- Air Force Manual (AFMAN) 32-1076, *Design Standards for Visual Air Navigation Facilities*, available at http://www.e-publishing.af.mil/afpubs.asp

- ETL 02-16, *Design, Construction, Maintenance, and Evaluation of the Pegasus Glacial Ice Runway for Heavy Wheeled Aircraft Operations*, available at http://www.afcesa.af.mil/library/etl.asp?Category=Engineering%20Technical%20Letters

4.2. Army:

- Cold Regions Research and Engineering Laboratory (CRREL) Monograph 98-1, *Construction, Maintenance, and Operation of a Glacial Runway, McMurdo Station, Antarctica*, available at http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/M98_01.pdf
- FM 5-430-00-1, *Planning and Design of Roads, Airfields, and Heliports in the Theater of Operations – Road Design,* available at https://atiam.train.army.mil/soldierPortal/atia/adlsc/view/public/10900-1/fm/5-430-00-1/toc.htm

4.3. Navy:

- Naval Civil Engineering Laboratory Report, *Nomographs for Operating Wheeled Aircraft on Sea-Ice Runways: McMurdo Station, Antarctica,* presented at the Third International Conference on Ice Technology, Cambridge, MA
- Naval Facilities Engineering Service Center, *Landing and Parking Curves for the C-17 Globemaster on Sea Ice: McMurdo Station, Antarctica,* available in Proceedings of the Seventh (1997) International Offshore and Polar Engineering Conference
- Vaudrey, K. 1977, *Ice Engineering – Study of Related Properties of Floating Sea-Ice Sheets and Summary of Elastic and Viscoelastic Analyses*, U.S. Naval Construction Battalion Center, Port Hueneme, CA, Civil Engineering Laboratory, Technical Report R-860

4.4. Joint Service:

- UFC 3-260-01, *Airfield and Heliport Planning and Design*, available at http://65.204.17.188//report/doc_ufc.html

4.5. American Society of Mechanical Engineers

- Barthelemy, J., 1992, *Nomographs for Operating Wheeled Aircraft on Sea-Ice Runways: McMurdo Station, Antarctica*, 11th International Conference on Offshore Mechanics and Arctic Engineering, Calgary, Alberta, June 7–12, 2002, Proceedings, Vol. 4. Edited by Ayorinde, Sinha, Sodhi, and Nixon, p. 27-33, published by the American Society of Mechanical Engineers, New York.

5. Acronyms.

AFJPAM	- Air Force Joint Pamphlet
AFMAN	- Air Force Manual

AFPD	- Air Force Policy Directive
ASTM	- American Society for Testing and Materials
CRREL	- US Army Cold Regions Research and Engineering Laboratory
DO	- Director of Operations
DOD	- Department of Defense
ETL	- Engineering Technical Letter
ft	- foot
HQ AFCESA	- Headquarters, Air Force Civil Engineer Support Agency
HQ AMC/A7OI	- Headquarters, Air Force Mobility Command, Civil Engineering Operations Division, Infrastructure Support
HQ AMC/A36AS	- Headquarters, Air Force Mobility Command, Operations Division
in	- inch
kPa	- kilopascals
MAJCOM	- major command
m	- meter
MMLS	- Mobile Microwave Landing System
MOG	- maximum on ground
NAVAIDS	- navigational aid system
NCEL	- Naval Civil Engineering Laboratory
NSF	- National Science Foundation
PAPI	- precision approach path indicator
PCASE	- Pavement Computer Assisted Structural Engineering
PLZ	- prepared landing zone
psi	- pounds per square inch
REILS	- runway end identifier lights
TACAN	- Tactical Aid to Navigation
VFR	- visual flight rules
UFC	- Unified Facilities Criteria
US	- United States
USACE	- US Army Corps of Engineers
USAP	- United States Antarctic Program

6. Definitions. Some definitions critical to or unique to this ETL are given below.

6.1. *Sea Ice Runway Surface:* The original exposed or level-graded surface of a floating slab of naturally frozen seawater.

6.2. *Non-Instrument Runway:* A runway intended for operating aircraft under visual flight rules (VFR). Routine operations at the Sea Ice Runway only occur when sunlight is present; this is roughly from late August until late March each year in the McMurdo Sound area.

6.3. *Prepared Landing Zone (PLZ):* For the purposes of this ETL, a prepared landing zone (PLZ) refers to a landing zone that is constructed to support routine and moderately frequent (average one to two flights per day) wheeled cargo aircraft traffic, with no adverse effect on airframes, but that is not paved with traditional

construction materials (i.e., asphalt or concrete). The amount of engineering effort required to develop a PLZ depends on the planned operation and the existing surface and weather conditions. Options for surface preparation are governed by the material present at the site and may, at the Sea Ice Runway site, include plowing, grading, planing, and roller compaction.

6.4. *Graded Sea Ice Surface:* To remove natural undulations in a sea ice surface, including adhered patches of snow, a serrated grader blade is used, often with a laser-guided leveling system, to prepare the runway surface. This surface has a high degree of small-scale (12 to 100 millimeters [0.5 to 4 inches]) roughness which is felt as "chatter" in a fast-moving aircraft.

6.5. *Exposed Sea Ice Surface:* Whether graded or not, an exposed sea ice surface has little or no snow present to act as a cover. Such a surface will present poor braking resistance at temperatures above -8 ºC (18 ºF).

6.6. *Fresh, Loose Snow Surface:* Natural unprocessed snow resting on a graded or natural sea ice surface. Such a cover of snow enhances braking resistance at all temperatures and assists in protecting against the damaging effects of solar heating at temperatures above -8 ºC (18 ºF). A sea ice runway should never have a fresh loose snow layer greater than 100 millimeters (4 inches) in depth.

6.7. *Moderately Processed Snow Surface:* A durable weather- and abrasion-resistant surface made from processing (e.g., compacting or tilling) natural snow that overlies the graded sea ice surface. The processed snow surface is smooth and has good braking and solar insolation blocking characteristics. A sea ice runway should never have a processed snow layer greater than 76 millimeters (3 inches) in depth.

6.8. *Seasonal Operations:* Typically, short-term operations conducted in support of specific local activities. Seasonal operations denote aircraft activities being confined to certain periods of the year when flight and runway conditions are most favorable and when airlift is required. The Sea Ice Runway is only operated when (a) air temperatures are above -50 °C (-58 °F); (b) sunlight is present; and (c) when ice thickness and strength combine to allow safe landing and parking.

7. Dimensional Criteria. Details for establishing airfields for the support of routine operations of Air Force aircraft can be found in UFC 3-260-01. The Sea Ice Runway is unique in a number of ways: seasonal operation only; low volume of air traffic; extremely remote location; sited on a large floating ice mass; limited resources available for construction and maintenance. The criteria are based, for the most part, on Class B runway requirements; however, some terminology used in this ETL differs from that used in UFC 3-260-01.

7.1. Table 1 provides dimensional criteria for the layout and design of the prepared landing zone (PLZ) at the Sea Ice Runway site. Minimum runway length is prescribed by the major command director of operations (MAJCOM/DO), but should

be 3048 meters (10,000 feet) for fully loaded aircraft operations, assuming that the braking conditions are adequate. When the Sea Ice PLZ exists with a thin processed snow pavement, runway strength can vary as a function of air temperature and insolation (solar energy input). Properly executed maintenance operations can mitigate this deterioration and keep the strength at or above minimum levels. The runway length shown in Table 1 also recognizes that the Sea Ice PLZ is at sea level.

Table 1. Sea Ice Runway Dimensional Requirements for C-130, C-141, C-17, and C-5 Operations

	Description	Natural or Graded Sea Ice, or Snow-Capped (Loose or Processed) Operating Surface	Remarks
1	Length (minimum)	See Remarks	Minimum runway length will be determined by the MAJCOM/DO for the most critical aircraft in support of the mission. At the Sea Ice Runway, a runway length of 3048 m (10,000 ft) is considered adequate for all routine operations with C-130, C-141, C-17, and C-5 aircraft.
2	Width	45.7 m (150 ft)	Since the runway is devoid of traditional surface markings, it will appear to be 61 m (200 ft) wide (the width of the runway and the shoulders combined).
3	Width of shoulders (minimum)	7.6 m (25 ft)	Remove all snow berms and snow drifts in shoulder areas. All snow in shoulders should be prepared to the same degree as that on the runway proper.
4	Longitudinal grade	2% maximum (up or down)	The maximum grade of any tangent, as well as the total elevation change from one threshold of the runway to the other, should not exceed 2%.
5	Longitudinal grade change	No grade change greater than 0.5% is to occur within 305 m (1000 ft) of the runway end.	Hold to minimum practicable. Grades may be both positive and negative but must not exceed the limit specified. Applies to runway and shoulders.

6	Rate of longitudinal grade change	Maximum 0.167% per 30.5 m (100 ft) interval.	Grade changes should be held to a minimum and should be gradual. Application of this criterion will produce a vertical curve having a 182.9 m (600 ft) length for each percent of algebraic difference between the two grades. Applies to runways and shoulders.
7	Transverse grade of runway	1.5% maximum	Transverse grades can be a uniform slope, or crowned at the centerline (a crowned centerline is preferred).
8	Transverse grade of shoulders	2% maximum (down)	For an exposed ice surface, transverse grades should slope down from the runway edge. A snow-capped ice surface may slope upward to a maximum extent of 1%.
9	Width of graded area	Minimum 12.2 m (40 ft)	The graded area is measured from the outside edge of the shoulder. Graded area should routinely have no more than 100 mm (4 in) of loose snow cover. (During clean-up following a drifting event, snow up to 300 mm (12 in) may exist immediately adjacent to runway markers while the runway proper and the shoulders are being maintained to the 100 mm (4 in) standard in order to resume critical flight operations. As soon as is practicable, any drift snow in the graded area must be removed to maintain the overall runway standard.)
10	Transverse grade of graded area	2% maximum (up or down)	Ideally, graded area slope (up or down) should match that of runway shoulders.
11	Width of lateral clear area	79.2 m (260 ft)	The lateral clear area is measured outward from the outside edge of the graded area.

12	Transverse grade of lateral clear area	12% maximum	Requirement is applied to a plane extending outward from the outer edge of the graded area a distance of 36.6 m (120 ft). No object or surface feature may penetrate this plane. Any slope is allowed from 36.6 to 79.2 m (120 to 260 ft) from the outside edge of the graded area (i.e., 79.2 to 122 m [260 to 400 ft] from the runway centerline). No object or surface feature may penetrate this imaginary plane.
13	Width of primary surface	243.9 m (800 ft)	Primary surface is centered about the runway and incorporates the runway, shoulder, graded area, and lateral clear area.

7.2. Shoulders are required along each outside edge of the runway. They must be prepared to the same strength as the runway surface (and be of the same surface material: snow capped or exposed sea ice) and be free of obstacles. Shoulder geometric requirements are presented in Table 1. Figure 1 shows the general layout, including shoulders, and lateral and end clear areas. Turns may take place on the prepared surface, including the shoulders.

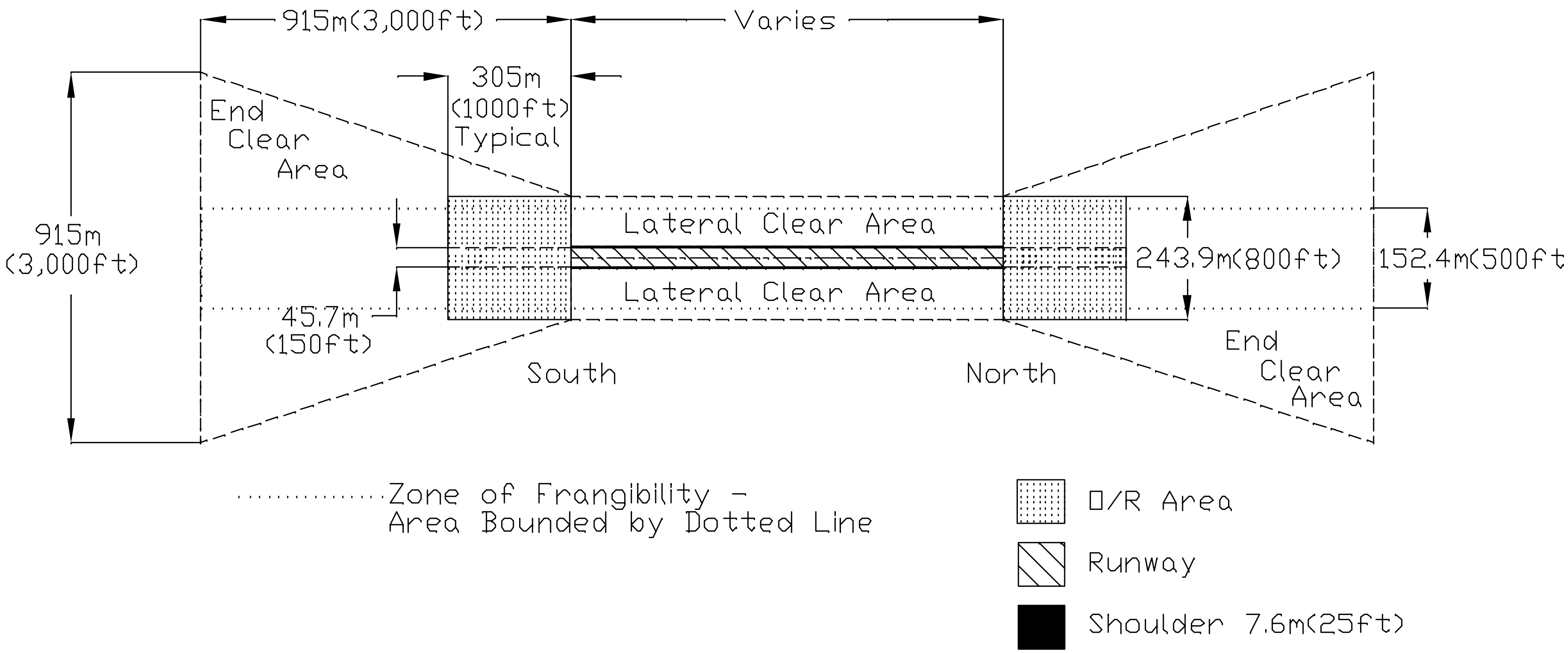

Figure 1. Typical Layout for Airstrip at McMurdo Sound Sea Ice Runway (Not to Scale)

7.3. A runway overrun is required at the departure end of the runway. The overrun must be 305 meters (1000 feet) in length and constructed to the same dimensional and structural standards as the runway surface. At the runway's approach end, runway end lights will be present at the exact threshold.

7.4. Lateral and runway end clear areas are required and their dimensions are given in Table 2. The layout is shown in Figure 1.

Table 2. Sea Ice Runway Overrun and End Clear Area Requirements for C-130, C-141, C-17, and C-5 Operations

	Description	Natural or Graded Sea Ice, or Snow-Capped (Loose or Processed) Operating Surface	Remarks
1	End clear area length	915 m (3000 ft)	Measured along the extended runway centerline. Begins at the runway threshold.
2	Width of inner edge of end clear area	243.9 m (800 ft)	Centered about runway centerline. Begins at runway threshold.
3	Width of outer edge of end clear area	915 m (3000 ft)	Centered about runway centerline.
4	Runway overrun area	See Remarks	The runway overrun area falls within the runway end clear area. The overrun area will be 305 m (1000 ft) long and have a transverse section matching the runway (i.e., include shoulder, graded area, and lateral clear area). See Table 1 for transverse dimensional criteria. The maximum longitudinal grade (up or down) in the overrun area is 2%. The longitudinal grade of the first 91.5 m (300 ft) of the overrun should match that of the last 915 m (3000 ft) of the runway.

5	Approach departure clearance surface	50:1	Approach-departure clearance surface begins at the runway thresholds at the same elevation as the centerline elevation and extends away from the runway 7622 m (25,000 ft). During flight operations, no mobile or fixed object may penetrate this imaginary plane within the end clear area.

7.5. Taxiways, if present, will have surface strength properties matching those of the runway. Dimensional criteria for taxiways are given in Table 3.

Table 3. Sea Ice Taxiways (If Present) Dimensional Requirements for C-130, C-141, C-17, and C-5 Operations

	Description	Natural or Graded Sea Ice, or Snow-Capped (Loose or Processed) Operating Surface	Remarks
1	Width	22.9 m (75 ft) minimum	Since the taxiway is devoid of traditional surface markings, it will appear to be 38 m (125 ft) wide (the width of the runway and the shoulders combined).
2	Radius of curves (C-130, C-141, C-17, C-5)	22.9 m (75 ft) minimum	Curves in taxiway must be no tighter than the listed minimum turning radii, measured along the taxiway centerline. Fillets at runway/taxiway/apron turns and/or intersections must be 30.5 m (100 ft) minimum radii.
3	Width of shoulder	7.6 m (25 ft)	Remove all snow berms and snow drifts in shoulder areas. Snow in shoulders will be prepared to the same strength as the taxiway.
4	Longitudinal grade	3% maximum	Hold to minimum practicable. Grades may be either positive or negative.

5	Rate of longitudinal grade change	1% maximum over 30.5 m (100 ft)	Grade changes should be held to a minimum and should be gradual. Minimum distance between grade changes is 152.4 m (500 ft). Grade changes cannot exceed 1% measured at 30.5-m (100-ft) intervals. Applies to taxiway and shoulders.
6	Transverse grade of taxiway	3% maximum	Transverse grades can be a uniform slope, or crowned at the centerline (a crowned centerline is preferred).
7	Transverse grade of shoulders	3% maximum	For an exposed ice surface, transverse grades should slope down from the taxiway edge. A snow-capped ice surface may slope upward to a maximum extent of 1%.
8	Runway clearance	76.2 m (250 ft)	Measured from the runway centerline to near edge of the taxiway. Operating aircraft are exempt from runway/taxiway clearance requirements, but operational controls should be implemented to prevent aircraft from operating on both surfaces simultaneously.
9	Infield area		All areas located between the runway and taxiways must be cleared of obstructions.
10	Clearance to fixed or mobile obstacles	61 m (200 ft)	Measured from the taxiway centerline. Operating aircraft are exempt from runway/taxiway clearance requirements, but operational controls should be implemented to prevent aircraft from operating on both surfaces simultaneously.

11	Width of lateral clear area	41.9 m (137.5 ft)	Lateral clear area is measured outward from the outer edge of the shoulder. No object or surface feature may penetrate this imaginary plane.
12	Transverse grade of lateral clear area	12% maximum	Grades may slope up or down.

7.6. Aprons, if present, will have surface characteristics and strength properties matching those of the runway. Dimensional criteria for aprons are given in Table 4 and a potential apron configuration is provided in Figure 2.

Table 4. Sea Ice Site Apron Requirements for C-130, C-141, C-17, and C-5 Operations

	Description	Natural or Graded Sea Ice, or Snow-Capped (Loose or Processed) Operating Surface	Remarks
1	Apron size	Varies	Sized to accommodate number of aircraft on ground. Maximum visibility and minimum wingtip clearance must be maintained at all times. As a minimum, the pilot must be able to clearly see all parked aircraft when taxiing.
2	Apron grade	3% maximum	Ideally, uniform grade should exist over entire apron area.
3	Width of shoulder	7.6 m (25 ft)	Remove all snow berms and snow drifts in shoulder areas. Snow in shoulders will be prepared to the same strength as the apron.
4	Transverse grade of shoulders	3% maximum	For an exposed ice surface, transverse grades should slope down from the runway edge. A snow-capped ice surface may slope upward to a maximum extent of 1%.
5	Runway clearance	122 m (400 ft)	Measured from the runway centerline to the near edge of the parking apron.

6	Clearance to fixed or mobile obstacles	38.1 m (125 ft)	Measured from the outer edge of the apron.
7	Width of lateral clear area	30.5 m (100 ft)	Lateral clear area is measured outward from the outer edge of the shoulder. No object or surface feature may penetrate this imaginary plane.
8	Transverse grade of lateral clear area	12% maximum	Grades may slope up or down.
9	Wingtip clearance	15.2 m (50 ft)	Parked and taxiing aircraft must maintain no less than 15.2 m (50 ft) wingtip clearance at all times.

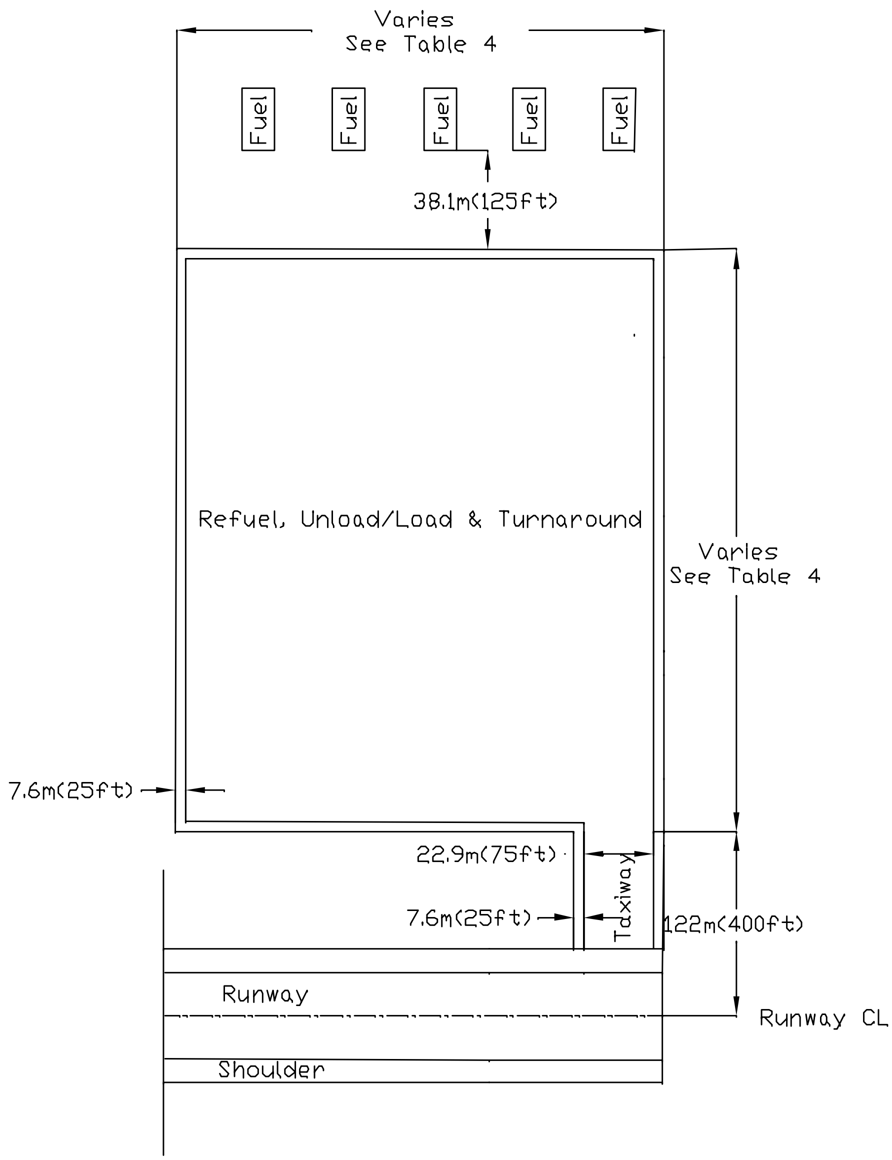

Figure 2. Example Layout Arrangement for Taxiway and Apron (Not to Scale).

7.7. See Figure 3 for cross-section views of the runway, taxiway, and apron, showing the dimensions from Tables 1, 2, 3, and 4.

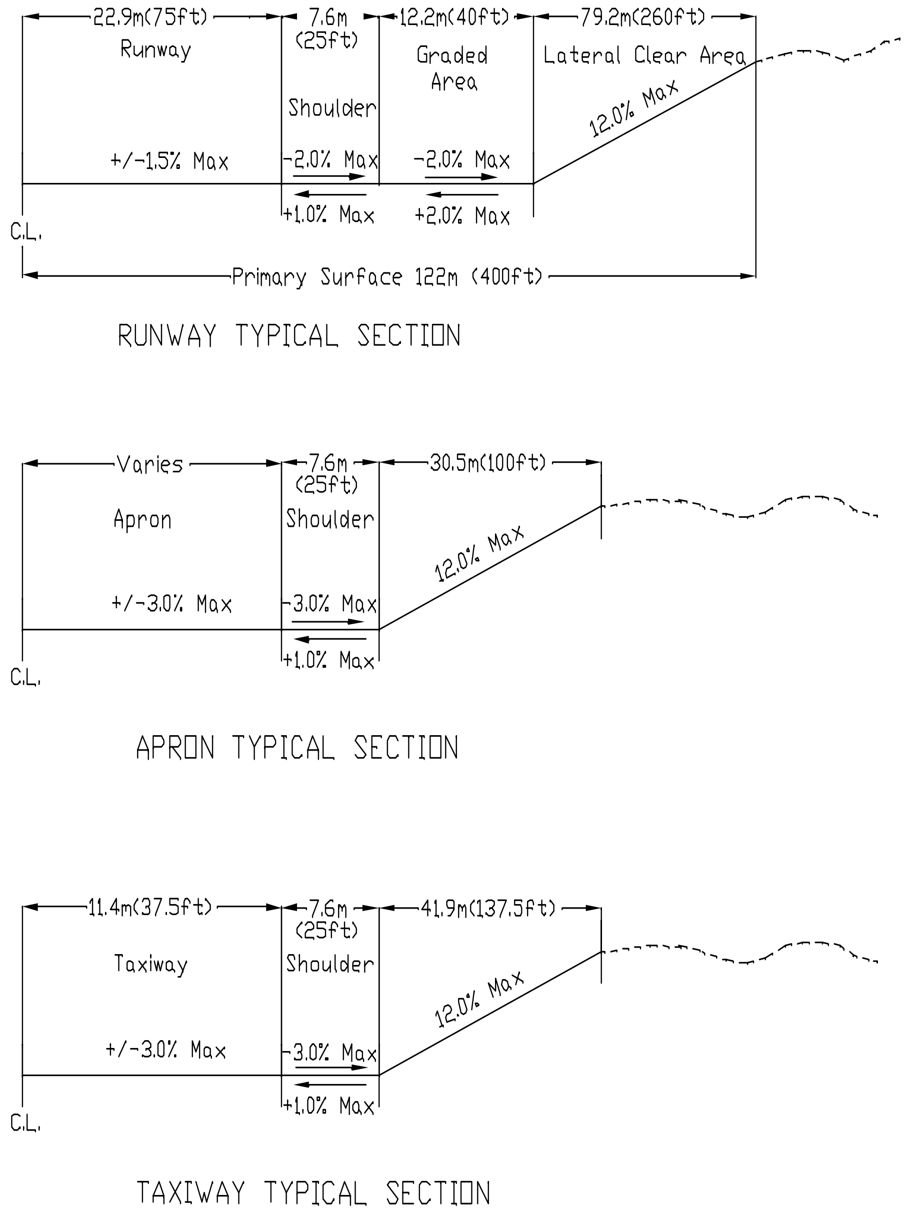

Figure 3. Typical Cross-Section Dimensions for Runway, Taxiway, and Apron (Not to Scale)

8. Structural Criteria

8.1. Sea ice is often categorized as first-year or multi-year ice. This characterization of the ice indicates much about its nature, with multi-year ice having significantly greater complexity. However, for the purposes of a sea ice runway for heavy wheeled aircraft, this ETL will treat both types the same, using overall ice thickness

and ice temperature as governors for ice strength, which ultimately determines its ability to support a given aircraft operation.

Annually, before commencing aircraft operations (flights on the Sea Ice Runway usually begin in early October each season), the Sea Ice Runway will be evaluated using the structural evaluation criteria in this ETL. In addition, the airfields manager will conduct interim evaluations for quality assurance and validation of localized repairs.

8.2. Sea Ice Operating Surface (exposed, graded sea ice surface, or an ice surface overlain by either a moderately processed thin snow cap (less than 50 millimeters [2 inches]) or a thin layer (less than 75 millimeters [3 inches]) of fresh, loose snow).

8.2.1. Sea Ice Runway Evaluation—Deformation Failure. The sea ice surface must be shown to be capable of supporting C-130, C-141, C-17, and C-5 aircraft contact pressure levels without compressive or shear failure. The primary sources of ice surface weakness at the Sea Ice Runway site are (a) melt-pockets and (b) brine leaching features. When these occur, they may show minimal surface expression and may give the runway a deceptive appearance of strength. Rigorous maintenance, including the use of a reflective snow cap, can avoid melt problems. Brine leaching occurs as a function of time, and such weak areas may become prevalent if the runway is sited on progressively older (multi-year) sea ice. Generally, brine leaching features will not reach a point of concern for a sea ice runway until the ice is four years of age or older. If there is any doubt, or if the conditions described in paragraph 8.2.1.2 apply, the runway's structural strength must be certified daily. Adequate surface strength will generally be demonstrated by some form of proof rolling to detect zones of weakness.

8.2.1.1. Proof Rolling. Full-scale proof rolling tests (see CRREL Monograph 98-1) are required before the first flight of the season following sea ice runway construction.

8.2.1.2. During runway operations, if the ice temperature exceeds –5 °C (23 °F) for an exposed sea ice surface, or –3 °C (26.5 °F) for a processed or loose snow surface, then a ***rigorous daily visual inspection***, especially in the aircraft wheel tracks, is required. Any surface failure detected will require patching (Attachment 1) and re-certification.

8.2.2. Sea Ice Runway Evaluation—Flexural Failure (Landing and Take-Off).

8.2.2.1. Flexural strength of sea ice is a function of ice temperature, ice thickness and salinity. Correspondingly, the maximum load capacity of sea ice under aircraft loads is a function of flexural strength and the landing-gear-assembly geometry of each aircraft. Determining the maximum allowable aircraft load from ice thickness and temperature measurements establishes the load capacities for landings and takeoffs on the Sea Ice Runway.

8.2.2.2. Ice Temperature Measurement.

8.2.2.2.1. Collecting ice temperature measurements through the entire ice sheet at many locations on a frequent basis along the Sea Ice Runway is onerous using traditional technologies (drilling), so seasonal time periods have been established to simplify the analytical process. The method combines ice *surface* temperatures into "bins," such that each "bin" represents a period of the operational season. Each time-period contains a maximum and minimum *surface* temperature. Current guidelines divide the operational season (October to February) into four periods:

- Mid-October to late November (Period 1: -20 °C to -10 °C [-4 °F to 14 °F])
- Late November to mid-December (Period 2: -10 °C to -5 °C [14 °F to 23 °F])
- Mid-December to late December (Period 3: -5 °C to -2 °C [23 °F to 28 °F] with at least a small temperature gradient (minimum of 1 °C per meter [0.7 °F per foot] within a vertical column of ice, with the warmest temperatures at the ice surface and cooler temperatures at some depth)
- Late December through January (Period 4: -3 °C to -2 °C [26 °F to 28 °F] with ice temperature uniform throughout an entire vertical column; this is called an "isothermal condition").

8.2.2.2.2. Collect ice temperatures (measured at a depth of 150 millimeters [6 inches]) at a minimum of four (4) locations on the runway proper and at two (2) locations in the apron/parking area. Temperature data will be collected at a minimum of the following frequencies to verify that the calendar-suggested period is confirmed by ice temperatures. In all cases, actual ice temperatures will govern which period's standards to apply.

- Period 1: Once every two weeks
- Period 2: Once every week
- Period 3: Three times per week; at least one day between measurements.
- Period 4: Once every day.

8.2.2.3. Ice Thickness Measurement.

8.2.2.3.1. Sea ice thickness is the most critical parameter to be established for calculating safe aircraft operations. Sea ice thickness—much more than ice temperature—tends to be slow to change and quite ubiquitous in the McMurdo Sound region. Its annual trend, irrespective of the initial ice thickness in late August, is well established from more than 20 years of data. However, under some circumstances, ice thickness can

have considerable local variations. When this situation exists, and ice thicknesses are near the limits for desired aircraft operations, a statistical approach is used to establish sea ice thickness.

8.2.2.3.2. Actual ice thickness must be measured at no less than 16 random locations spread throughout the runway surface, with no less than half being located within a 15-meter (50-foot) wide swath down the center of the runway. Ideally, since a statistical approach is used, more measurements will lead to greater confidence levels.

8.2.2.3.3. Thickness measurements must begin at least ten (10) days before the intended onset of flight operations. Measurements will continue throughout the entire duration of flight operations. Measurement frequency will be the same as for temperature measurements (see paragraph 8.2.2.2).

8.2.2.3.4. Increased measurement density is only required during operating periods when the average thickness of the sea ice is nearing the point where it may limit gross aircraft weights and parking times for the aircraft type to be operated. For large aircraft, this will likely be the case any time first-year sea ice is encountered. Attachment 2 describes the process for statistically establishing sea ice thickness.

8.2.2.4. Maximum allowable ice stresses have been determined for each of the four temperature-based operational periods using a computer program designed to calculate the flexural beam strength of sea ice. The allowable stresses have factors of safety between 1.3 and 1.4 (25% to 30% of flexural strength).

8.2.2.5. Maximum allowable stresses calculated for the four periods of the operational season, combined with ice thickness and landing-gear-assembly geometry, were input to a model developed by the Naval Civil Engineering Laboratory (NCEL) to predict the maximum allowable load of C-130, C-141, C-17 and C-5 aircraft operating on the sea ice in McMurdo Sound. A range of sea ice thickness values experienced throughout the operational season were input and the model calculated the maximum allowable aircraft load given as a function of the Sea Ice Runway thickness and the period of operation. Results from the model are presented in Figure 4 and constitute the operational strength criteria for landing, taxiing, and take-off. The curves in Figure 4 were developed based on the parameters described above, and each is specific to aircraft type and gear assembly geometry. The Figure 4 nomograph may be worked from either direction; that is, if one knows the ice thickness and aircraft type to be operated, the maximum landing and take-off load may be calculated. Conversely, knowing what aircraft type and load are desired to be flown to/from the Sea Ice Runway, the required ice thickness can be determined.

Notes:

(1) The relationship between ice thickness, temperature and aircraft load is specific to each aircraft and cannot be used for any other aircraft. Other aircraft of interest will require a new model run to develop allowable load/thickness curves (see paragraph 11 for contact information if a new analysis is needed).

(2) Examples of use of this nomograph are provided in Attachment 3. See Attachment 6 for metric conversion factors.

(3) The nomograph has limited ability to provide a precise answer because of the thickness of lines on the chart, interpolation of temperature or load within bands on the chart, and an individual's technique. While time-consuming, the model used to develop the nomograph can be operated to produce tabulated results which provide a more user-independent solution. Examples of such tables were produced for the C-17 and are included in Attachment 4.

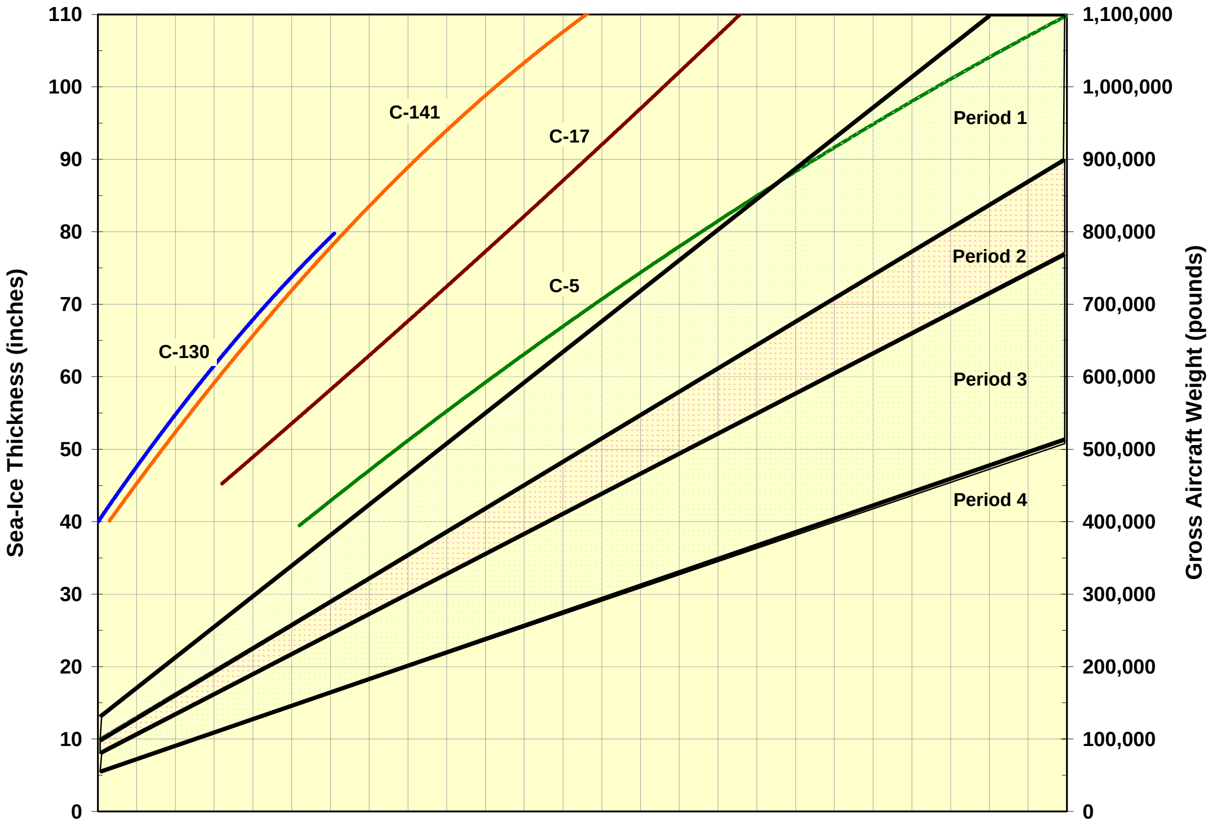

Figure 4. Landing and Take-off Nomograph for the McMurdo Sound Sea Ice Runway (See Attachment 3 for usage directions and Attachment 6 for metric conversion factors)

8.2.3. Sea Ice Runway Surface Evaluation—Creep Failure (Parking).

8.2.3.1. Long-term parking at warm ice temperatures can lead to creep deformation of the sea ice. Long-term parking is defined here to mean any time an aircraft is stationary anywhere on sea ice more than 30 minutes. At ice temperatures below –5 °C (23 °F), creep deformation is relatively slow. Since the Sea Ice PLZ is operated principally as a "turn-around" runway (i.e., arriving aircraft debark within a few hours, spending limited time on site), it is expected that creep deformation will be negligible. However, if aircraft will be parked for extended time periods, or very heavy loads or thin ice conditions are present, aircraft may have to be moved periodically to avoid excessive creep deformation of the sea ice. A maximum allowable deflection limit of 10% of the ice thickness has been set for parked aircraft. Field tests indicate no major cracking or failures on sea ice until deflections are in excess of 25% of the ice thickness (Vaudrey, 1977). The 10% deflection value was selected because this is the freeboard limit for the ice sheet; although the ice is safe at

this point (10% deflection), water could penetrate through existing cracks and holes to the runway surface, raising concern and causing operational difficulties (Barthelemy, 1992). Parking curves have been developed for each aircraft. The curves indicate the maximum time an aircraft can remain stationary as function of the period (ice temperature), ice thickness and aircraft type and load. The aircraft must change parking locations if it remains on the ice longer than indicated by the curves. The center of the new parking position must be at least 152 meters (500 feet) removed from the original location.

8.2.3.2. Care must also be exercised for other concentrated loads, such as fuel tanks. A similar analysis for the safe residence time for a given concentrated infrastructure load for the prevailing ice temperature and thickness will allow for decisions about total loads and placement geometry. Such infrastructure loads must also be taken into account when locating primary or secondary aircraft parking spots.

8.2.3.3. Operational strength criteria for aircraft parked on sea ice are presented in Figure 5. Contact the person(s) listed in paragraph 11 for recommendations on how to analyze for infrastructure or long-term (12 or more hours) group aircraft parking loads.

Notes:

(1) Examples of nomograph use are provided in Attachment 3. See Attachment 6 for metric conversion factors.

(2) The nomograph has limited ability to provide a precise answer because of the thickness of lines on the chart, interpolation of temperature or load within bands on the chart, and an individual’s technique. While time-consuming, the model used to develop the nomograph can be operated to produce tabulated results which provide a more user-independent solution. Examples of such tables were produced for the C-17 and are included in Attachment 4.

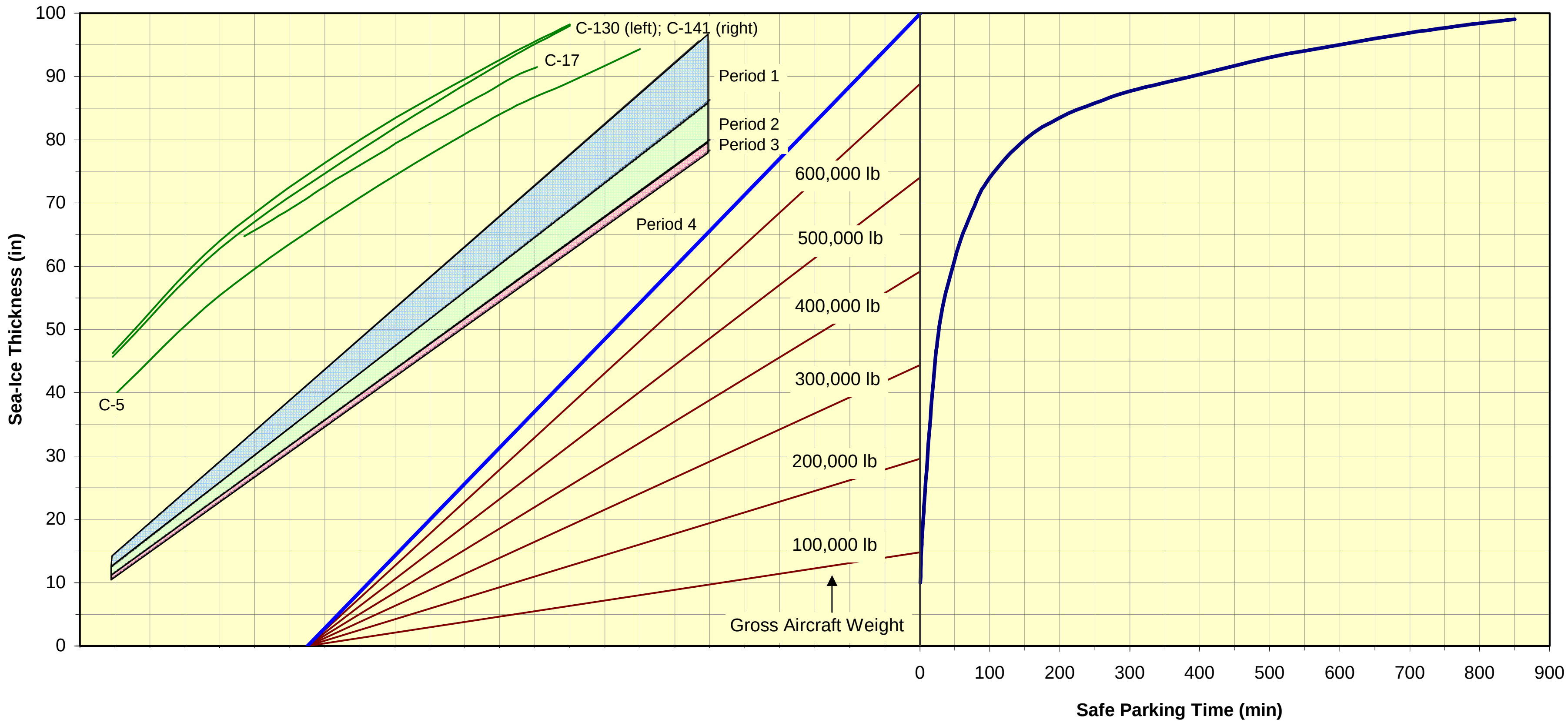

Figure 5. Allowable Parking Times for the McMurdo Sound Sea Ice Runway (See Attachment 3 for Usage Directions, Attachment 4 for an Example Conversion of the Nomograph to Solution Tables for the C-17, and Attachment 6 for Metric Conversion Factors)

8.2.4.

WARNING

Both landing/take-off and parking criteria must be determined and compared before each aircraft operation. In most cases, the minimum required sea ice thickness will be different for landing/take-off and for parking. The **GREATER** of the two calculated thicknesses must be used in planning for the aircraft mission. At times, adjustment of one or more controllable variables can allow performing an aircraft mission that, as initially planned, would not be allowed. See examples in Attachment 3 for an illustration of this process.

8.2.5. The primary source of ice mass weakness at the Sea Ice Runway site is weakening during mid- to late-season operations as sea and air temperatures rise. Cracks may also form in the sea ice sheet at any point during the operational season due to tidal and other ice forces active in the region. Though not unsafe, the cracks may limit mobility and must be repaired before aircraft operations. The sea ice crack-repair procedure is described in Attachment 1.

8.2.6. A format for guiding Sea Ice Runway certification is outlined in Attachment 5. Recall that for the runway to be considered structurally adequate for aircraft operations two conditions must be met, as described in paragraphs 8.2.2 and 8.2.3.

8.2.7. This ETL is written specifically for C-130, C-17, C-141, and C-5 aircraft. The load capacity of the Sea Ice Runway changes according to aircraft landing-gear assemblies. Contact the person(s) listed in paragraph 11 for recommendations on how to proceed if operational needs are encountered when the ice thickness and temperature restrict necessary flight operations or if a different type of aircraft or landing gear configuration is proposed for operation on the McMurdo Sound Sea Ice Runway.

9. Markings and Navigational Aid System (NAVAIDS).

9.1. The McMurdo Sound Sea Ice Runway is a VFR-only facility and is operated solely during daylight. However, markings and NAVAIDS are required (a) due to the site’s unconventional appearance (light gray to white surface, white surroundings), (b) for compatibility with standard pilot experience, and (c) for periods where landings are required but weather conditions are less than ideal. Initial operation of the Sea Ice Runway was accomplished with an absolute minimum of markings and no NAVAIDS. The use of both markings and NAVAIDS has evolved over the years, and is expected to continue into the future.

9.2. It cannot be overstated that adopting the full extent and type of markings and NAVAIDS found at a conventional airport would create an unmaintainable runway that would be buried by drifting snow in a few seasons. Nor is it necessary for the Sea Ice Runway to have the full complement of available markings and NAVAIDS. Since the airspace is not congested and there are only a few well-known nearby topographic or human-made obstacles, it is operated as a VFR facility.

9.3. Minimizing the number and surface area of markings is desirable for the purpose of reducing runway maintenance and increasing runway availability and longevity. Figure 6 shows the layout of the Sea Ice Runway, including the positions of lead-in, lead-out, ground plane, distance remaining, and threshold and mid-point markers. All markers should be made of durable, lightweight materials. Support posts must be frangible and present a tiny cross-section to the wind to minimize snow drifting, which should be accomplished by a small diameter and a minimum number of posts; bamboo canes are currently used with good results. The markers are ideally of a broad-weave mesh material to minimize the impedance of the wind, both to limit wind loading on the support posts and, more importantly, to reduce snow drifting. Ideally, the base of a marker should be more than 1 meter (3 feet) above the snow surface to avoid snow drifting. This height must be balanced against the need for adequate clearance between the base of an aircraft wing, engine, or propeller and the top of the marker. Currently, TNX Fabric™ (black- and orange-colored plastic mesh fencing material), such as seen at construction sites and ski areas, is used for markers. Note that all markings are well above the runway surface, and no markings are present on the runway itself to depict the runway centerline, shoulder edges, landing zone, or thresholds.

9.4. All structures placed or constructed within the airfield environment are required to be made frangible (to the maximum extent practicable). This applies for any aboveground construction within 76.2 m (250 ft) of the runway centerline and an extension of that dimension for 915 m (3000 ft) beyond the ends of the runway thresholds and within 61 m (200 ft) of the taxiway centerline (except required NAVAIDS). Frangibility implies that an object will collapse or fall over after being struck by a moving aircraft with minimal damage to the aircraft.

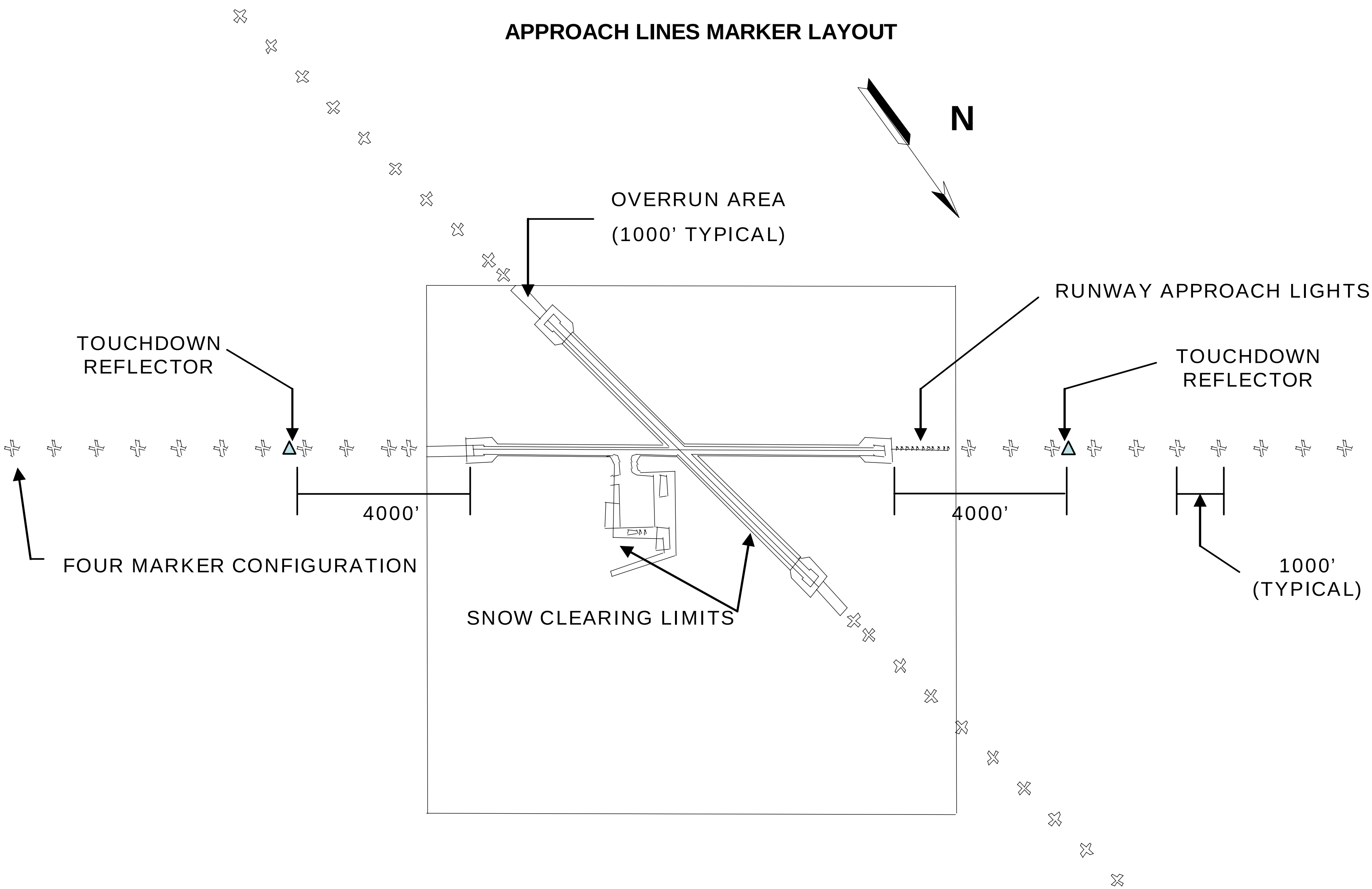

Figure 6. Sea Ice Runway Layout with Dimensions, Showing Markings and NAVAIDS

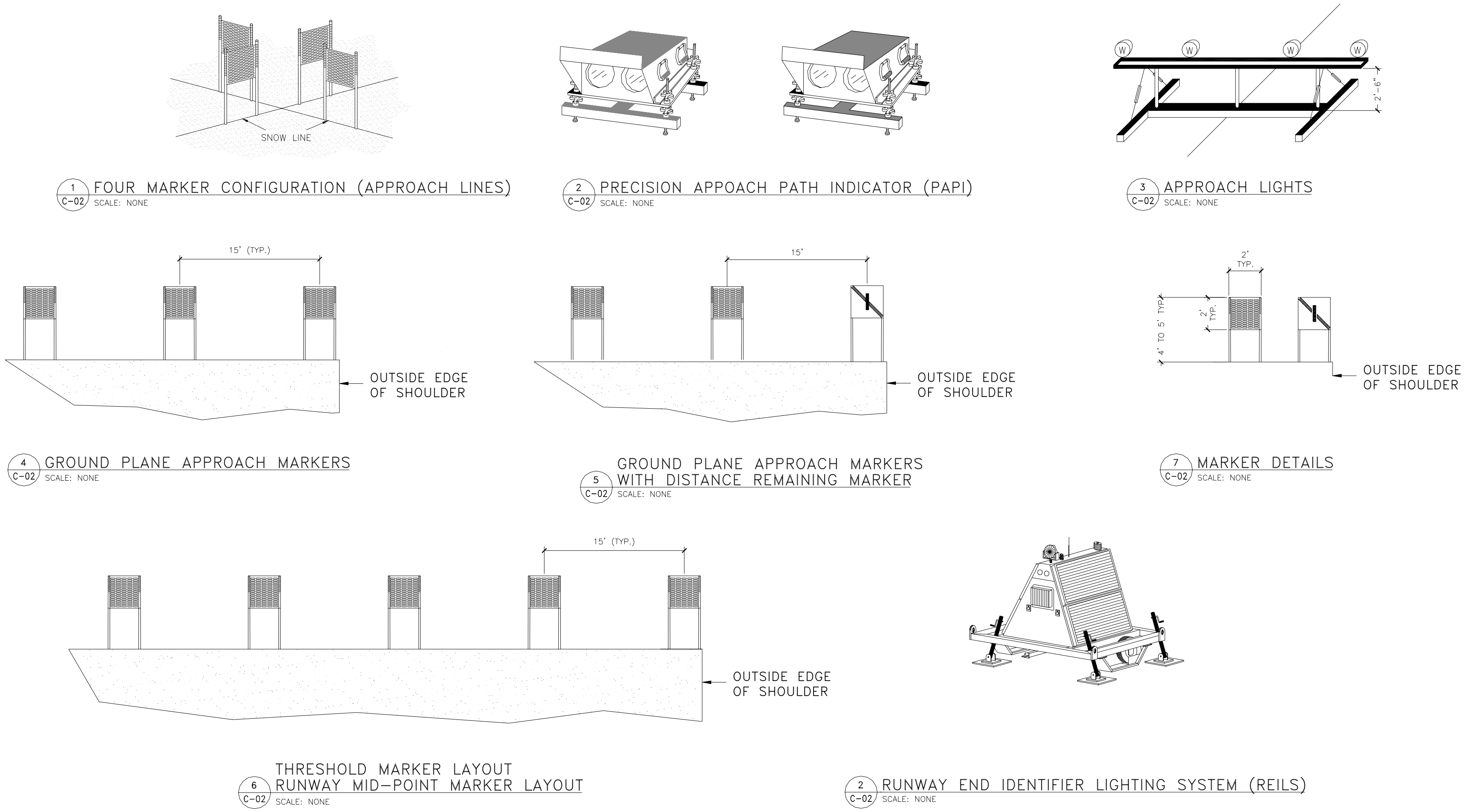

Figure 7. Details of Runway Markers and NAVAIDS
(See Attachment 6 for Metric Conversion Factors)

9.5. Also shown in Figure 6 are the positions of the current suite of NAVAIDS (Tactical Air Navigation [TACAN], runway end identifier lights [REILS], Mobile Microwave Landing System [MMLS], and precision approach path indicator [PAPI] lights). These are also strictly above-surface installations; however, subsurface wiring has been arranged for the NAVAIDS to allow the use of central and displaced power generation.

9.6. Figure 7 shows details of the runway markings and NAVAIDS. Note that all markings and NAVAIDS are only present at the site during the flight periods. At all other times, all surface structures, including buildings and other support structures, are removed from the site to discourage progressive snow accumulation.

9.7. This ETL reflects markings and NAVAIDS to be used at the Sea Ice Runway site. The markings and NAVAIDS shown in Figures 6 and 7 should be considered completely adequate for routine operations. Exact placement details, including dimensional tolerances of runway markers and NAVAIDS, can be found in Air Force Manual (AFMAN) 32-1076, *Design Standards for Visual Air Navigation Facilities*.

10. Operational Waivers to Criteria. The criteria in this ETL are the minimum permissible for C-130, C-141, C-17, and C-5 operations. When deviations exist or occur, an operational waiver must be obtained before starting flight operations. The airfields manager will initiate a written waiver request to HQ AMC/DO for consideration. The waiver must outline all criteria that do not meet the requirements of this ETL. The appropriate airfield survey team will verify existing PLZ dimensions and grades. HQ AMC is the approval authority for waivers of all criteria contained in this ETL.

11. Points of Contact: Recommendations for improvements to this ETL are encouraged and should be furnished to:

Pavement Engineer
HQ AFCESA/CESC
139 Barnes Dr, Suite 1
Tyndall AFB, FL 32403
DSN 523-6334
Comm (850) 283-6334
Fax DSN 523-6218
Email AFCESAReachBackCenter@tyndall.af.mil

Command Pavement Engineer
HQ AMC/A7OI
507 Symington Drive
Scott AFB, IL 62225-5022
DSN 779-0976
Comm (618) 229-0976
Email amc.a7o@amc.af.mil
(“Attn: Command Pavement Engineer” in subject line)

Operations Manager
U.S. Antarctic Program, Office of Polar Programs
National Science Foundation
4201 Wilson Blvd. Suite 755
Arlington, VA 22230
Comm (703) 292-8030
Fax (703) 292-9080

Research Civil Engineer
Applied Research Division
USACRREL
72 Lyme Rd
Hanover, NH 03755-1290
Comm (603) 646-4100
Fax (603) 646-4820

PATRICK G. MUMME, P.E.
Acting Director of Engineering Support

7 Atchs
1. Sea Ice Runway Patching Procedure
2. Example Calculations to Establish Sea Ice Thickness Value
3. Example Calculations Using Landing and Take-Off and Parking Nomographs
4. Tabulated Results from Application of Landing/Take-Off and Parking Nomographs to C-17 Aircraft at McMurdo Sound Sea Ice Runway
5. Test Plan for Sea Ice Runway Wheeled Aircraft Operations Certification
6. Conversion Factors
7. Distribution List

SEA ICE RUNWAY PATCHING PROCEDURE

A1.1. Introduction. Infrequently, there may be damage to the runway surface from equipment gouging, solar-induced melt features, or surface melting caused by windborne or spilled contaminants. These areas will require clean-out, repair, and re-certification. The following patching procedure should be followed. Repair these areas by removing the damaged snow and ice and replacing it with a crushed ice and water "patch" (in the sea ice) and a new snow pavement (on the surface) that provides the required hardness/strength. The repair procedure is based on information in CRREL Monograph 98-1, page 57. Note that this procedure is commonly used during runway construction, but when ice temperatures rise above about -6.5 ºC (20 ºF) this process is largely ineffective because of excessive freeze-up times.

A1.2. Tools. The following tools are needed:

- Long-handled chisel
- Welder's slag hammer or rock hammer
- Coal shovel
- Source of cold, fresh water

A1.3. Patching Procedure. Thoroughly remove all contaminants (including melted and/or refrozen snow and ice) at the site of the repair and dispose of in accordance with site regulations. Remove any loose but clean snow and ice from the damaged area and place it to the side for later use. Clear the faces and edges of the cavity to allow close inspection of the ice along the sides and bottom.

A1.3.1. Sea Ice.

A1.3.1.1. Use the chisel to excavate the area surrounding the failure area to make certain that all of the weak ice has been dislodged. If a large area of the surrounding ice is weak, use one of the large-scale test methods (see CRREL Monograph 98-1, page 47) to break up the weak ice and identify its limits.

A1.3.1.2. Dispose of sea ice removed from the failed area. Pieces of glacial ice (**not** sea ice) roughly the size of a human fist or smaller should be packed into the cavity to fill the hole slightly above its top (approximately 75 to 100 millimeters [3 to 4 inches] higher). Packed snow may be used in the absence of sufficient glacial ice. Any excess material should be removed from the runway.

A1.3.1.3. Slowly fill the hole containing the crushed ice (or packed snow) with cold **fresh** water (ideally, very near 0 °C [32 °F]) to approximately 75% full. Fill the hole by directing the water around the perimeter of the hole. Mix the ice-water slurry in the hole with the chisel and shovel by vigorous vertical probing to ensure that all pore spaces are filled with water and to encourage water to flow into any cracks radiating into the surrounding ice. If using packed snow, gently push down on the patch with the backside of a shovel only; do not probe and stir with a tool. After about an hour, add water to approximately 50 millimeters (2 inches) below

the surrounding sea ice surface. Smooth the surface with the backside of a shovel. Allow it to cool for 3 to 4 hours, after which time the surface usually will be frozen over.

A1.3.1.4. Using the chisel, break the top of the ice surface in a number of places (10% of total surface area). Slowly re-flood the patch area to fill the air gap under the ice surface with cold **fresh** water.

A1.3.1.5. Use a brightly colored flag (e.g., orange) to mark the location of the patch on the ice surface. A corner of the flag can be frozen into the surface using cold water. If the runway is not in use, a bamboo or plastic pole with a flag can be pushed into the ice-water slurry to mark the location.

A1.3.1.6. Note the approximate location of the patched area, using the runway markers as a guide for the long axis and the knowledge of the runway width for the other axis. If air operations are in effect, the airfields manager, the air traffic controller, and the flight crew coordinator should be notified that a fresh patch is on the runway and that this area should be avoided for at least 48 hours.

A1.3.1.7. Allow the area to freeze for at least 48 hours before allowing traffic to resume; the flag should then be removed. If possible, the patched area should be "dressed" with the chisel-tooth grader blade to blend its edges into the surrounding ice surface and to provide a uniform surface texture.

A1.3.1.8. Following the sea ice repair, the site must be re-certified using the procedures given in paragraph 8.2 et seq. if the repair area is greater than 0.4 square meters (4.3 square feet).

A1.3.2. Snow Cap.

A1.3.2.1. For a runway surface operated with a snow cap, it is required to replace the cap after patching the sea ice.

A1.3.2.2. Fill the area with clean, fresh (not more than one year old) snow using hand tools or mechanical equipment, depending on the volume of snow required.

A1.3.2.3. Level the snow surface with a light drag or snow plane, or a wide-tire (1 meter), low-ground-pressure (tire inflation pressure of 100 kilopascals [kPa] [14.5 pounds per square inch (psi)] or less) wheeled vehicle.

A1.3.2.4. If the snow cap being replaced was processed, use the same procedure originally applied to bring the snow patch to an equivalent level of strength. Allow the snow to "rest" for 24 hours before allowing routine aircraft traffic.

EXAMPLE CALCULATIONS TO ESTABLISH SEA ICE THICKNESS VALUE

A2.1. Twenty runway thickness measurements were made on the sea ice (all measurements in inches): 110, 74, 104, 77, 72, 74, 83, 79, 72, 77, 71, 72, 84, 78, 81, 78, 69, 88, 70, and 74.

A2.2. Rank the measurements in ascending order on a spreadsheet and then calculate the percent of thickness measurements equal to or greater than each unique value.

A2.3. Plot thickness versus percent "equal to or greater than" as shown in Figure A2.1.

A2.4. Enter Figure A2.1 at 85%. Continue to the plotted curve, then down to the Evaluation Thickness of 72 inches for this example.

A2.5. If a test measurement is so low that it is clearly an outlying data point (e.g., 10% less than the next lowest measurement) and therefore not representative of other tests on the runway, then additional tests must be completed to determine the extent of the thin area and whether special consideration is required. When the extent is determined, a separate structural analysis of the thin area may be appropriate, resulting in applying appropriate aircraft weight restrictions to the thin area.

Note: Sea-ice thickness typically increases daily as the season progresses. Therefore, up-to-date thickness measurements are essential to determining the appropriate evaluation thickness.

Thickness Measurement [inches]	Number of Tests Equal to or Greater than Each Value	Percent of Tests Equal to or Greater Than Each Value
69	20	100%
70	19	95%
71	18	90%
72	17	85%
72	17	85%
72	17	85%
74	14	70%
74	14	
74	14	70%
77	11	
77	11	55%
78	9	
78	9	
79	7	35%
81	6	
83	5	
84	4	20%
88	3	15%
104	2	10%
110	1	5%

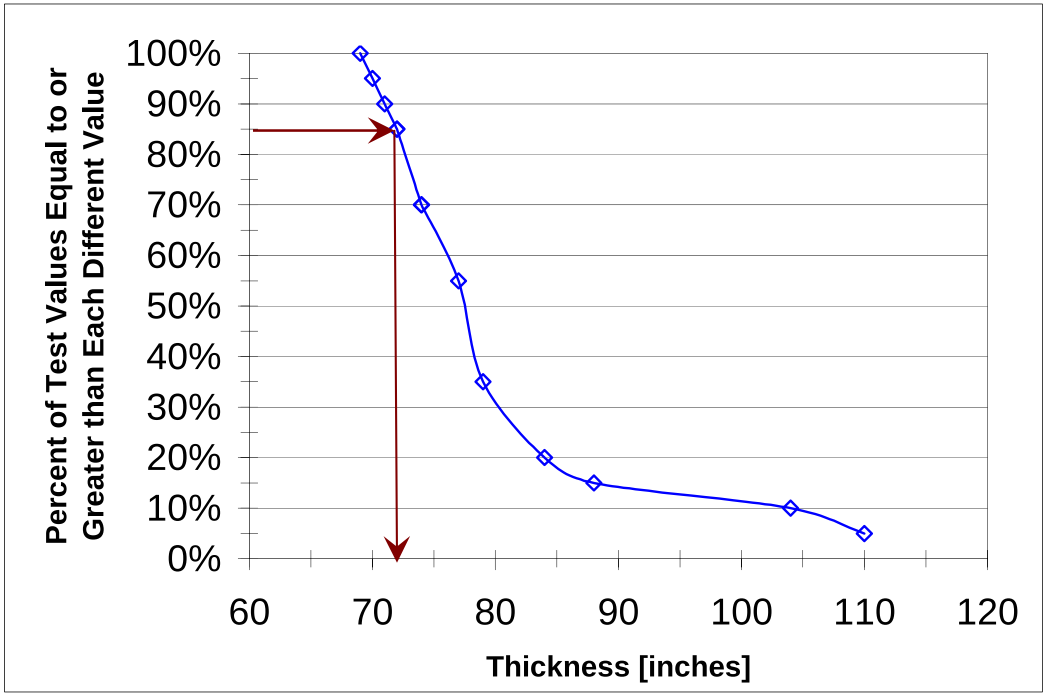

Figure A2.1. Tabular and Graphical Examples of Statistical Analysis of Sea Ice Thickness Data to Determine a Representative Value (Defined as the thickness for which <u>less than 15%</u> of the samples are thinner)

EXAMPLE CALCULATIONS USING LANDING AND TAKE-OFF AND PARKING NOMOGRAPHS

A3.1. Example 1.

A3.1.1. A measured mean sea ice thickness of 1.83 meters (72 inches) exists on McMurdo Sound. The date is 1 November and the measured mean sea ice temperature for the past week is –17 °C (1 °F). An oversize load, critical to USAP operations, is required in McMurdo. Because of the cargo's size and critical nature, it must be delivered by C-5. In planning for this flight operation, what is the maximum safe gross aircraft landing load given the current sea ice conditions?

A3.1.2. On the landing and take-off nomograph (Figure A3.1) locate 1.83 meters (72 inches) on the left-side vertical axis and draw a horizontal line intersecting the C-5 curve (a). Draw a vertical line from this intersection point to a position representing the scaled location of –17 °C (1 °F) (vertically between the Period 1 band limits of –20 °C (-4 °F) (upper line in band) and –10 °C (14 °F) (lower line in band) (b). From this position, draw a horizontal line to the right-side vertical axis where it can be seen that a maximum C-5 gross weight of 620,000 pounds can be safely supported for take-offs and landings (c).

A3.2. Example 2.

A3.2.1. Preliminary flight planning for the USAP field season favors operating C-17 aircraft well into Period 2 ice conditions. The final C-17 flight is desired for 12 December. The anticipated gross C-17 weight will be about 370,000 pounds for this final flight. What sea ice thickness will be required to support landing this planned flight?

A3.2.2. On the landing and take-off nomograph (Figure A3.2) locate 370,000 pounds on the right-side vertical axis and draw a horizontal line to a position representing the scaled location of 12 December vertically between the Period 2 band limits of about 25 November (upper line in band) and about 15 December (lower line in band) (a). Draw a vertical line from this point to the C-17 curve (b). From this intersection point, draw a horizontal line to intersect the left-side vertical axis, showing that about 78 inches of sea ice must be present for safe take-offs and landings.

A3.2.3. Planners can use historical ice data to determine if there is a good likelihood of this ice thickness being present at a particular time. In any case, as the time nears 12 December, actual measured sea ice thicknesses will govern (via use of the nomograph as depicted in Example 1 [Figure A3.1]) exactly what gross C-17 weight can safely be supported.

A3.3. Example 3.

A3.3.1. The C-5 operation presented in Example 1 (Figure A3.1) determined that a maximum gross weight of 620,000 pounds for landing and take-off is dictated by the sea ice conditions. It is known that about 1.5 hours will be required once the C-5 is

parked for off-loading, refueling, and pre-flight preparations. Can the C-5 at 620,000 pounds safely park on the sea ice for 1.5 hours?

A3.3.2. On the parking nomograph (Figure A3.3) locate 72 inches on the left-side vertical axis and draw a horizontal line to intersect with the C-5 curve (a). Then draw a vertical line from this intersection point to a position representing the scaled location of –17 °C (1 °F) vertically between the Period 1 band limits of –20 °C (-4 °F) (upper line in band) and –10 °C (14 °F) (lower line in band) (b). From this position, draw a horizontal line to a point representing the gross aircraft weight (vertically scaled location between provided weight curves) (c). Now draw a vertical line upward to the reflection surface (d). A horizontal line from the reflection surface is then drawn to intersect the parking curve (e). Lastly, a vertical line is then drawn to intersect the horizontal safe parking time axis where it can be seen that the C-5 mission considered will only allow about 25 minutes of parking time before creep failure of the sea ice.

A3.3.3. Two possibilities exist for alleviating this situation. First, and easiest, is to minimize the gross weight of the C-5. While the landing nomograph (Figure A3.1) indicates that a maximum gross weight of 620,000 pounds can be landed safely, a lesser weight is certainly also safe. If the C-5 gross arrival weight could be reduced to about 475,000 pounds, a parking time of about 90 minutes could be achieved. If the aircraft cannot be reduced to this load level, an alternative is to minimize the landing/parking weight as possible and plan for moving the parked aircraft one or more times during the off-loading process. This is quite inefficient and requires significant planning, but has on occasion been necessary. The distance moved must be greater than two times the overall width of the aircraft (wingspan) and can be in any direction. As soon as the aircraft is parked in its new location, the parking time clock restarts.

A3.4. Example 4.

A3.4.1. A two-hour parking time is required to achieve unloading and back-loading of a C-17 mission very late in the life of the annual McMurdo Sound Sea Ice Runway (30 December). It is expected that the C-17 will have an average weight of 500,000 pounds during a large part of its parked time. What sea ice thickness will be necessary to support this flight?

A3.4.2. On the parking nomograph (Figure A3.4), locate 120 minutes on the horizontal safe parking time axis and draw a vertical line to intersect the parking curve (a). From this intersection point, draw a horizontal line to the reflection surface (b); and from there, drop vertically to the 500,000 pounds aircraft load line (c). A horizontal line from this point to a temperature-representative point within Period 3 follows (d). Then draw a line vertically to intersect the C-17 curve (e). From here, a horizontal line can be seen to intersect the sea ice thickness axis at about 90 inches (f).

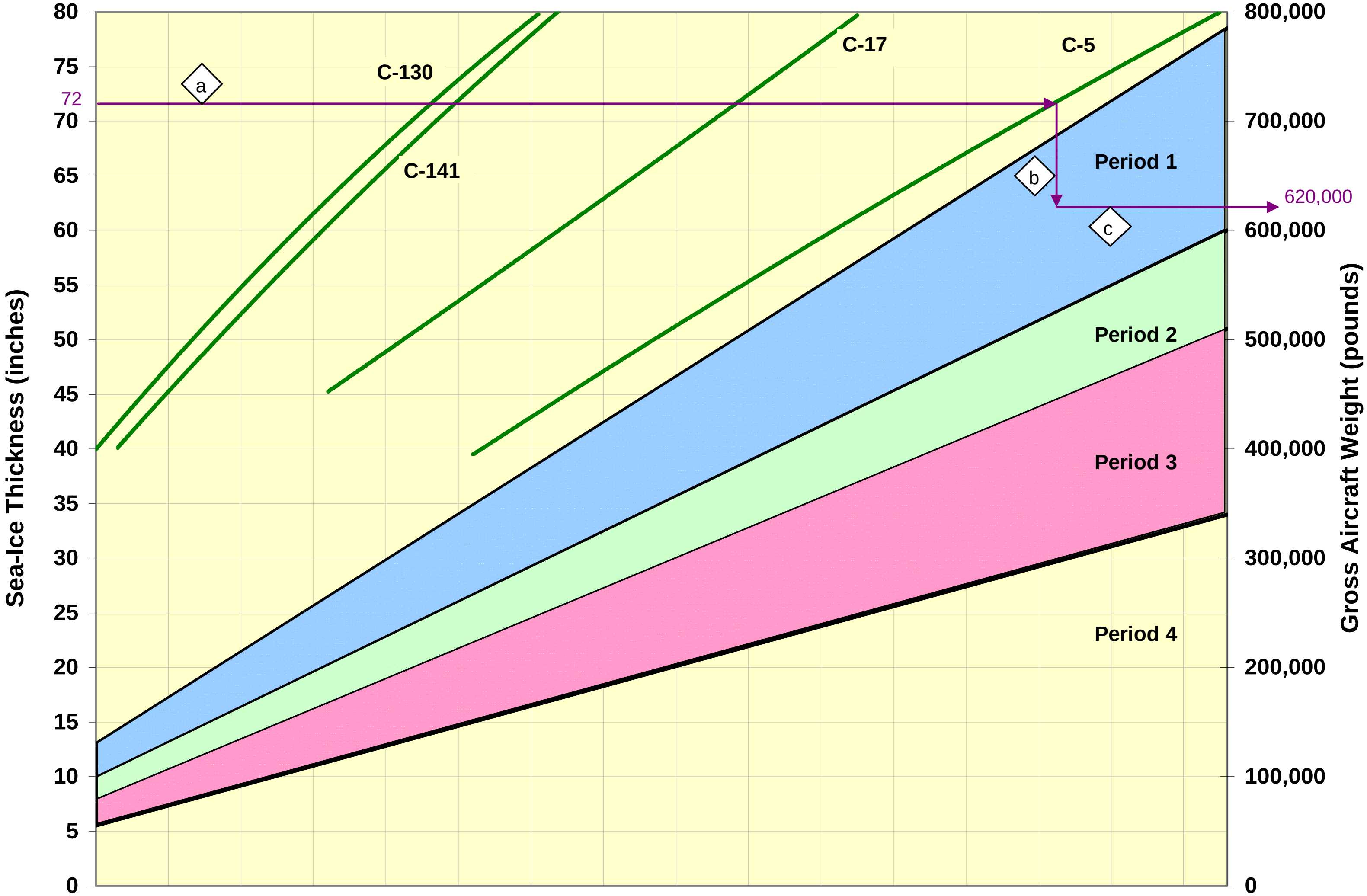

Figure A3.1. Example 1
(See Attachment 6 for Metric Conversion Factors)

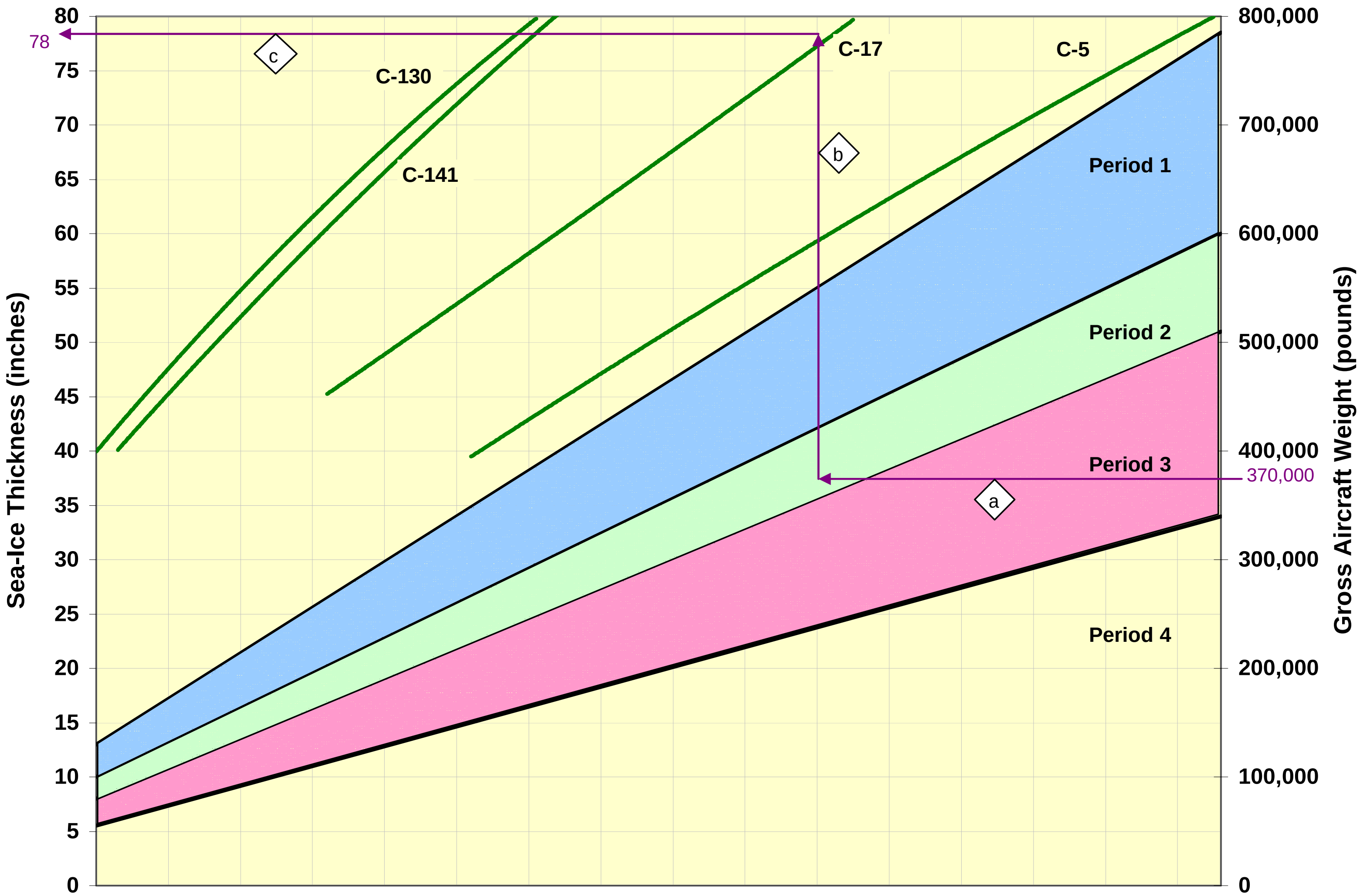

Figure A3.2. Example 2
(See Attachment 6 for Metric Conversion Factors)

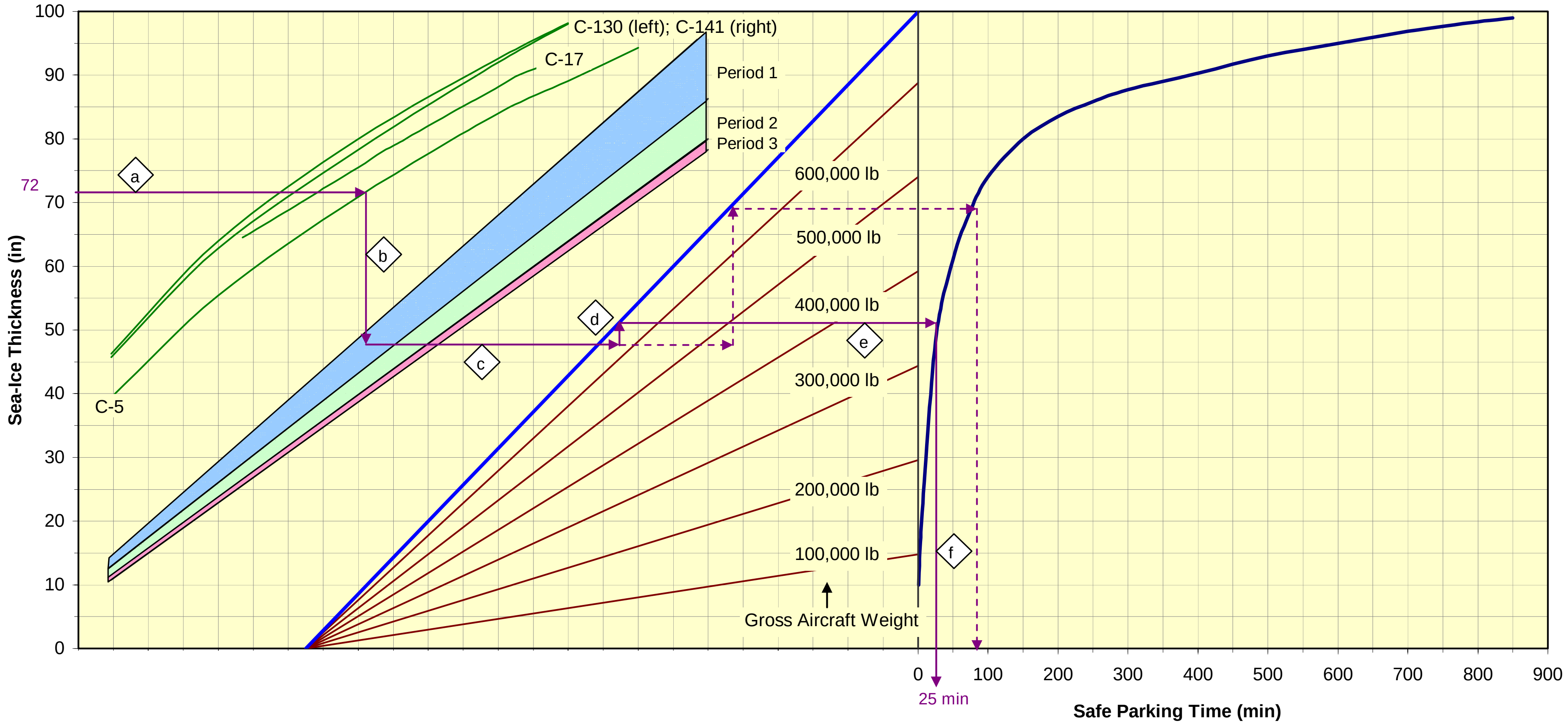

Figure A3.3. Example 3
(See Attachment 6 for Metric Conversion Factors)

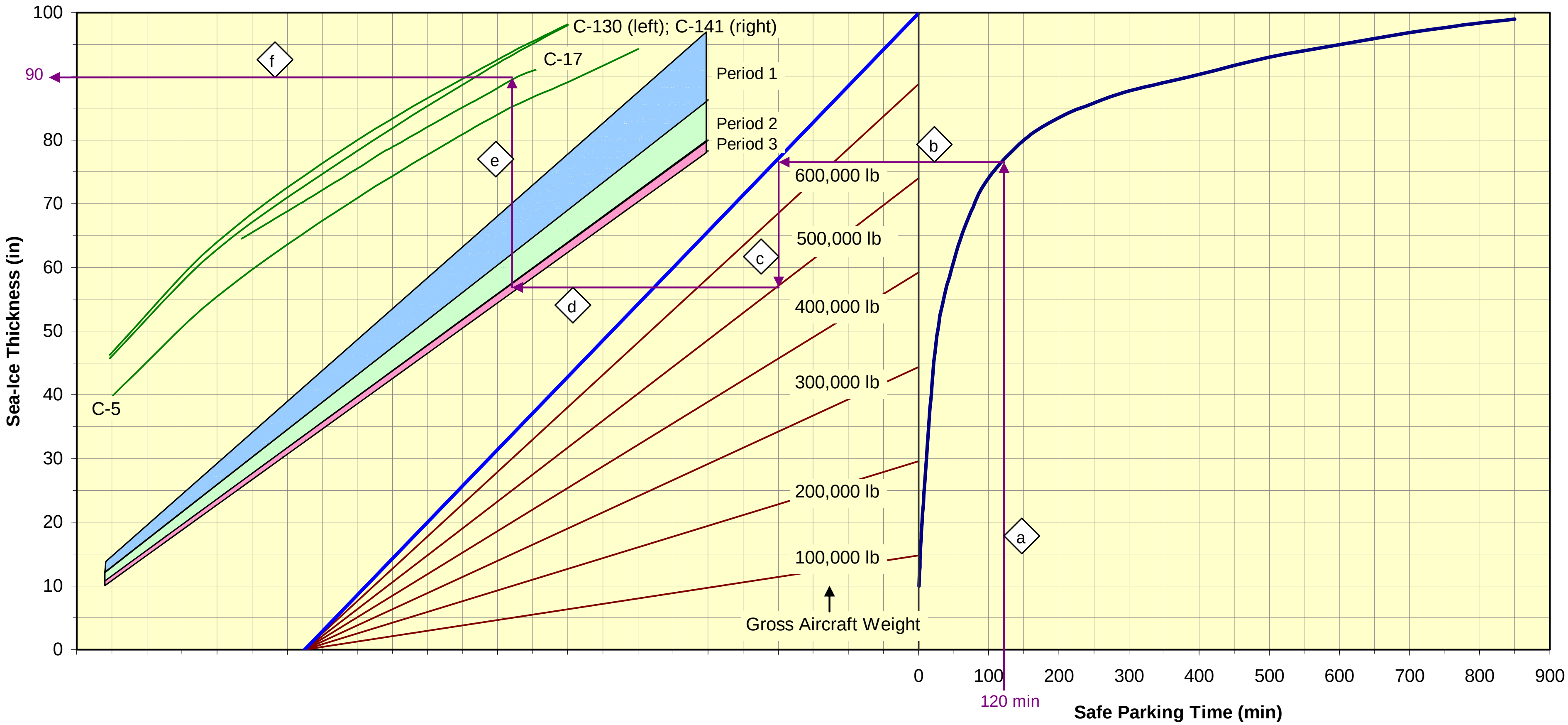

Figure A3.4. Example 4
(See Attachment 6 for Metric Conversion Factors)

TABULATED RESULTS FROM APPLICATION OF LANDING/TAKE-OFF AND PARKING NOMOGRAPHS TO C-17 AIRCRAFT AT MCMURDO SOUND SEA ICE RUNWAY

A4.1. The nomographs for safe landing/take-off (Figure 4) and safe parking time (Figure 5) have limited ability to provide a precise answer because of the thickness of lines on the chart, interpolation of temperature or load within bands on the chart, and an individual's technique. By applying the mathematical relationships used to generate the nomographs, tables of values for discrete temperatures and loads can be produced. Figure A4.1 depicts the safe landing and take-off loads (in pounds) for the C-17 aircraft between the temperature limits represented by McMurdo Sound Period 1 to Period 4. Figures A4.2 to A4.25 give safe parking times (in hours) for individual temperatures at 10,000-pound (4500-kilogram) increments of gross C-17 weight.

Sea Ice Thickness (inches)	Ice Temperature (All Period 1, 2 and 3 ice for McMurdo Sound)																							
(deg F)	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	12	10	8	6	4	2	0	-2	-4
(deg C)	-2.2	-2.8	-3.3	-3.9	-4.4	-5.0	-5.6	-6.1	-6.7	-7.2	-7.8	-8.3	-8.9	-9.4	-10.0	-11.1	-12.2	-13.3	-14.4	-15.6	-16.7	-17.8	-18.9	-20.0
44																								
45																								272,100
46																							269,100	280,700
47																						266,200	277,500	289,300
48																						274,400	285,900	297,900
49																					271,500	282,600	294,200	306,500
50																				268,800	279,500	290,800	302,600	315,100
51																			266,100	276,500	287,500	298,900	311,000	323,800
52																			273,700	284,300	295,400	307,100	319,400	332,400
53																		271,100	281,300	292,100	303,400	315,300	327,800	341,000
54																	268,500	278,500	288,900	299,900	311,400	323,500	336,200	349,600
55																266,100	275,800	285,900	296,500	307,700	319,400	331,600	344,600	358,200
56																273,200	283,000	293,300	304,100	315,400	327,300	339,800	353,000	366,800
57															270,700	280,300	290,300	300,700	311,700	323,200	335,300	348,000	361,400	375,500
58													270,500	274,000	277,600	287,400	297,500	308,200	319,300	331,000	343,300	356,200	369,800	384,100
59											270,400	273,600	277,100	280,700	284,600	294,400	304,800	315,600	326,900	338,800	351,200	364,400	378,200	392,700
60									270,300	273,400	276,600	280,000	283,600	287,500	291,500	301,500	312,000	323,000	334,500	346,600	359,200	372,500	386,500	401,300
61								273,100	276,200	279,400	282,800	286,400	290,200	294,200	298,400	308,600	319,300	330,400	342,100	354,300	367,200	380,700	394,900	409,900
62						273,000	275,900	278,900	282,100	285,500	289,000	292,800	296,800	300,900	305,400	315,700	326,500	337,800	349,700	362,100	375,200	388,900	403,300	418,500
63						278,500	281,500	284,700	288,000	291,600	295,300	299,200	303,300	307,700	312,300	322,800	333,800	345,300	357,300	369,900	383,100	397,100	411,700	427,200
64						284,000	287,100	290,500	293,900	297,600	301,500	305,600	309,900	314,400	319,200	329,900	341,000	352,700	364,900	377,700	391,100	405,200	420,100	435,800
65						289,500	292,800	296,200	299,900	303,700	307,700	311,900	316,400	321,200	326,200	337,000	348,300	360,100	372,500	385,500	399,100	413,400	428,500	444,400
66						295,000	298,400	302,000	305,800	309,700	313,900	318,300	323,000	327,900	333,100	344,100	355,500	367,500	380,100	393,200	407,100	421,600	436,900	453,000
67					274,200	300,500	304,000	307,800	311,700	315,800	320,100	324,700	329,500	334,600	340,000	351,200	362,800	374,900	387,700	401,000	415,000	429,800	445,300	461,600
68					279,100	306,000	309,700	313,500	317,600	321,900	326,400	331,100	336,100	341,400	347,000	358,200	370,000	382,300	395,300	408,800	423,000	437,900	453,700	470,200
69					284,000	311,500	315,300	319,300	323,500	327,900	332,600	337,500	342,700	348,100	353,900	365,300	377,300	389,800	402,800	416,600	431,000	446,100	462,100	478,900
70					288,900	317,000	320,900	325,100	329,400	334,000	338,800	343,900	349,200	354,900	360,900	372,400	384,500	397,200	410,400	424,400	439,000	454,300	470,500	487,500
71					293,800	322,500	326,600	330,800	335,300	340,100	345,000	350,300	355,800	361,600	367,800	379,500	391,800	404,600	418,000	432,100	446,900	462,500	478,800	496,100
72				275,300	298,700	328,000	332,200	336,600	341,200	346,100	351,200	356,600	362,300	368,400	374,700	386,600	399,000	412,000	425,600	439,900	454,900	470,700	487,200	504,700
73				279,700	303,600	333,500	337,800	342,400	347,200	352,200	357,500	363,000	368,900	375,100	381,700	393,700	406,300	419,400	433,200	447,700	462,900	478,800	495,600	513,300
74				284,100	308,500	339,000	343,500	348,200	353,100	358,200	363,700	369,400	375,500	381,800	388,600	400,800	413,500	426,900	440,800	455,500	470,800	487,000	504,000	521,900
75				288,500	313,400	344,500	349,100	353,900	359,000	364,300	369,900	375,800	382,000	388,600	395,500	407,900	420,800	434,300	448,400	463,200	478,800	495,200	512,400	530,600
76				292,900	318,300	350,000	354,700	359,700	364,900	370,400	376,100	382,200	388,600	395,300	402,500	415,000	428,000	441,700	456,000	471,000	486,800	503,400	520,800	539,200
77			276,100	297,300	323,200	355,500	360,400	365,500	370,800	376,400	382,300	388,600	395,100	402,100	409,400	422,000	435,300	449,100	463,600	478,800	494,800	511,500	529,200	547,800
78			280,100	301,700	328,100	361,000	366,000	371,200	376,700	382,500	388,600	394,900	401,700	408,800	416,300	429,100	442,500	456,500	471,200	486,600	502,700	519,700	537,600	556,400
79			284,200	306,200	333,000	366,500	371,600	377,000	382,600	388,500	394,800	401,300	408,200	415,500	423,300	436,200	449,800	463,900	478,800	494,400	510,700	527,900	546,000	565,000
80			288,200	310,600	337,900	372,000	377,300	382,800	388,500	394,600	401,000	407,700	414,800	422,300	430,200	443,300	457,000	471,400	486,400	502,100	518,700	536,100	554,400	573,600
81			292,200	315,000	342,800	377,500	382,900	388,500	394,500	400,700	407,200	414,100	421,400	429,000	437,100	450,400	464,300	478,800	494,000	509,900	526,700	544,200	562,800	582,200
82		276,800	296,200	319,400	347,700	383,000	388,500	394,300	400,400	406,700	413,400	420,500	427,900	435,800	444,100	457,500	471,500	486,200	501,600	517,700	534,600	552,400	571,100	590,900
83		280,500	300,200	323,800	352,600	388,500	394,200	400,100	406,300	412,800	419,600	426,900	434,500	442,500	451,000	464,600	478,800	493,600	509,200	525,500	542,600	560,600	579,500	599,500
84		284,200	304,200	328,200	357,500	394,000	399,800	405,800	412,200	418,900	425,900	433,200	441,000	449,300	457,900	471,700	486,000	501,000	516,800	533,300	550,600	568,800	587,900	
85		287,900	308,200	332,600	362,400	399,500	405,400	411,600	418,100	424,900	432,100	439,600	447,600	456,000	464,900	478,800	493,300	508,500	524,400	541,000	558,600	577,000	596,300	
86	274,100	291,600	312,300	337,100	367,300	405,000	411,100	417,400	424,000	431,000	438,300	446,000	454,100	462,700	471,800	485,800	500,500	515,900	532,000	548,800	566,500	585,100		
87	277,500	295,300	316,300	341,500	372,200	410,600	416,700	423,200	429,900	437,000	444,500	452,400	460,700	469,500	478,700	492,900	507,800	523,300	539,600	556,600	574,500	593,300		
88	280,900	298,900	320,300	345,900	377,100	416,100	422,300	428,900	435,800	443,100	450,700	458,800	467,300	476,200	485,700	500,000	515,000	530,700	547,100	564,400	582,500			
89	284,300	302,600	324,300	350,300	382,000	421,600	428,000	434,700	441,800	449,200	457,000	465,200	473,800	483,000	492,600	507,100	522,300	538,100	554,700	572,200	590,400			
90	287,700	306,300	328,300	354,700	386,900	427,100	433,600	440,500	447,700	455,200	463,200	471,600	480,400	489,700	499,600	514,200	529,500	545,500	562,300	579,900	598,400			
91	291,100	310,000	332,300	359,100	391,800	432,600	439,200	446,200	453,600	461,300	469,400	477,900	486,900	496,400	506,500	521,300	536,800	553,000	569,900	587,700				
92	294,500	313,700	336,400	363,500	396,700	438,100	444,900	452,000	459,500	467,300	475,600	484,300	493,500	503,200	513,400	528,400	544,000	560,400	577,500	595,500				
93	297,900	317,400	340,400	368,000	401,600	443,600	450,500	457,800	465,400	473,400	481,800	490,700	500,100	509,900	520,400	535,500	551,300	567,800	585,100					
94	301,300	321,000	344,400	372,400	406,500	449,100	456,100	463,500	471,300	479,500	488,100	497,100	506,600	516,700	527,300	542,600	558,500	575,200	592,700					
95	304,700	324,700	348,400	376,800	411,400	454,600	461,800	469,300	477,200	485,500	494,300	503,500	513,200	523,400	534,200	549,600	565,800	582,600						
96	308,100	328,400	352,400	381,200	416,300	460,100	467,400	475,100	483,100	491,600	500,500	509,900	519,700	530,100	541,200	556,700	573,000	590,100						
97	311,500	332,100	356,400	385,600	421,200	465,600	473,000	480,900	489,000	497,700	506,700	516,200	526,300	536,900	548,100	563,800	580,300	597,500						
98	314,900	335,800	360,400	390,000	426,100	471,100	478,700	486,600	495,000	503,700	512,900	522,600	532,800	543,600	555,000	570,900	587,500							
99	318,300	339,500	364,500	394,400	431,000	476,600	484,300	492,400	500,900	509,800	519,100	529,000	539,400	550,400	562,000	578,000	594,800							
100	321,700	343,100	368,500	398,800	435,900	482,100	489,900	498,200	506,800	515,800	525,400	535,400	546,000	557,100	568,900	585,100								
101	325,100	346,800	372,500	403,300	440,800	487,600	495,600	503,900	512,700	521,900	531,600	541,800	552,500	563,900	575,800	592,200								
102	328,500	350,500	376,500	407,700	445,700	493,100	501,200	509,700	518,600	528,000	537,800	548,200	559,100	570,600	582,800	599,300								
103	331,900	354,200	380,500	412,100	450,600	498,600	506,800	515,500	524,500	534,000	544,000	554,500	565,600	577,300	589,700									
104	335,300	357,900	384,500	416,500	455,500	504,100	512,500	521,200	530,400	540,100	550,200	560,900	572,200	584,100	596,600									
105	338,700	361,600	388,600	420,900	460,400	509,600	518,100	527,000	536,300	546,100	556,500	567,300	578,700	590,800										
106	342,100	365,200	392,600	425,300	465,300	515,100	523,700	532,800	542,300	552,200	562,700	573,700	585,300	597,600										
107	345,500	368,900	396,600	429,700	470,200	520,600	529,400	538,500	548,200	558,300	568,900	580,100	591,900											
108	348,900	372,600	400,600	434,200	475,100	526,100	535,000	544,300	554,100	564,300	575,100	586,500	598,400											
109	352,300	376,300	404,600	438,600	480,000	531,600	540,600	550,100	560,000	570,400	581,300	592,800												
110	355,700	380,000	408,600	443,000	484,900	537,100	546,300	555,900	565,900	576,500	587,600													
111	359,100	383,700	412,700	447,400	489,800	542,600	551,900	561,600	571,800	582,500	593,800													
112	362,500	387,300	416,700	451,800	494,700	548,100	557,500	567,400	577,700	588,600														
113	365,900	391,000	420,700	456,200	499,600	553,600	563,200	573,200	583,600	594,600														
114	369,300	394,700	424,700	460,600	504,500	559,200	568,800	578,900	589,600															
115	372,700	398,400	428,700	465,100	509,400	564,700	574,400	584,700	595,500															
116	376,100	402,100	432,700	469,500	514,300	570,200	580,100	590,500																
117	379,500	405,800	436,700	473,900	519,200	575,700	585,700	596,200																
118	382,900	409,400	440,800	478,300	524,100	581,200	591,300																	
119	386,300	413,100	444,800	482,700	529,000	586,700	597,000																	
120	389,700	416,800	448,800	487,100	533,900	592,200																		
121	393,100	420,500	452,800	491,500	538,800																			
122	396,500	424,200	456,800	496,000	543,700																			
123	399,900	427,900	460,800	500,400	548,600																			
124	403,300	431,500	464,900	504,800	553,500																			
125	406,700	435,200	468,900	509,200	558,400																			
126	410,100	438,900	472,900	513,600	563,300																			
127	413,500	442,600	476,900	518,000	568,200																			
128	416,900	446,300	480,900	522,400	573,100																			
129	420,300	450,000	484,900	526,800	578,000																			
130	423,700	453,600	488,900	531,300	582,900																			
131	427,100	457,300	493,000	535,700																				
132	430,500	461,000	497,000	540,100																				
133	433,900	464,700	501,000	544,500																				
134	437,300	468,400	505,000	548,900																				
135	440,700	472,100	509,000	553,300																				
136	444,100	475,700	513,000	557,700																				
137	447,500	479,400	517,100	562,200																				
138	450,900	483,100	521,100	566,600																				
139	454,300	486,800	525,100	571,000																				
140	457,700	490,500	529,100																					
141	461,100	494,200	533,100																					
142	464,500	497,800	537,100																					
143	467,900	501,500	541,200																					
144	471,300	505,200	545,200																					
145	474,700	508,900	549,200																					
146	478,200	512,600	553,200																					
147	481,600	516,300	557,200																					
148	485,000	519,900	561,200																					
149	488,400	523,600																						
150	491,800	527,300																						
151	495,200	531,000																						
152	498,600	534,700																						
153	502,000	538,400																						
154	505,400	542,000																						
155	508,800	545,700																						
156	512,200	549,400																						
157	515,600	553,100																						
158	519,000																							
159	522,400																							
160	525,800																							
161	529,200																							
162	532,600																							
163	536,000																							
164	539,400																							
165	542,800																							
166	546,200																							
167																								

Figure A4.1. Tabular Representation of Landing/Take-Off Nomograph for C-17 (Values in Table are Gross Aircraft Weight in Pounds)

-4 F	Gross C-17 Weight (lb)																																
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	1.3	1.2	1.0	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
63	1.7	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0
64	2.3	1.8	1.5	1.3	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
65	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0
66	3.8	3.0	2.5	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0
67	4.8	3.8	3.2	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
68	6.3	5.0	4.0	3.2	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
69	8.2	6.3	5.0	4.2	3.3	2.8	2.3	2.0	1.7	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70	10.5	8.2	6.5	5.2	4.2	3.5	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
71	13.7	10.5	8.3	6.7	5.3	4.3	3.5	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
72	17.8	13.7	10.7	8.3	6.7	5.5	4.5	3.7	3.2	2.7	2.2	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
73	23.3	17.7	13.7	10.7	8.5	6.8	5.5	4.7	3.8	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2
74	30.5	22.8	17.5	13.7	10.7	8.7	7.0	5.7	4.7	4.0	3.3	2.8	2.5	2.2	1.8	1.7	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
75	40.0	29.7	22.5	17.3	13.7	10.8	8.7	7.2	5.8	4.8	4.2	3.5	3.0	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3
76	52.5	38.7	29.0	22.3	17.3	13.7	11.0	8.8	7.3	6.0	5.0	4.2	3.7	3.2	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3
77	69.2	50.5	37.7	28.5	22.0	17.3	13.7	11.0	9.0	7.5	6.2	5.2	4.3	3.7	3.2	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5
78	91.3	66.0	48.8	36.7	28.2	21.8	17.3	13.8	11.2	9.2	7.7	6.3	5.3	4.5	3.8	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5
79	121.0	86.7	63.3	47.3	36.0	27.8	21.8	17.3	14.0	11.3	9.3	7.8	6.5	5.5	4.7	4.0	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7
80	160.7	114.0	82.7	61.2	46.2	35.3	27.7	21.8	17.5	14.2	11.5	9.5	8.0	6.7	5.7	4.8	4.2	3.7	3.2	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8	0.8	0.7
81	>200	150.2	108.0	79.3	59.3	45.2	35.0	27.5	21.8	17.5	14.3	11.8	9.8	8.2	7.0	5.8	5.0	4.3	3.8	3.3	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8
82	>200	198.7	141.5	103.0	76.5	57.8	44.3	34.7	27.3	21.8	17.7	14.5	12.0	10.0	8.3	7.2	6.2	5.2	4.5	4.0	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3	1.2	1.0	1.0
83	>200	>200	186.0	134.2	98.8	74.0	56.5	43.7	34.3	27.3	22.0	18.0	14.7	12.2	10.2	8.7	7.3	6.3	5.5	4.7	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.2
84	>200	>200	>200	175.3	128.0	95.2	72.2	55.5	43.3	34.2	27.3	22.2	18.2	15.0	12.5	10.5	8.8	7.7	6.5	5.7	4.8	4.3	3.8	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3
85	>200	>200	>200	>200	166.3	122.8	92.3	70.5	54.7	43.0	34.2	27.5	22.3	18.3	15.3	12.8	10.8	9.2	7.8	6.7	5.8	5.2	4.5	3.8	3.5	3.0	2.7	2.5	2.2	2.0	1.8	1.7	1.5
86	>200	>200	>200	>200	>200	158.8	118.3	89.8	69.2	54.0	42.7	34.2	27.7	22.7	18.7	15.5	13.2	11.0	9.5	8.2	7.0	6.0	5.3	4.7	4.2	3.7	3.2	2.8	2.5	2.3	2.2	1.8	1.7
87	>200	>200	>200	>200	>200	>200	152.5	114.8	87.8	68.2	53.7	42.7	34.3	28.0	23.0	19.0	16.0	13.3	11.3	9.7	8.3	7.2	6.3	5.5	4.8	4.3	3.8	3.3	3.0	2.7	2.5	2.2	2.0
88	>200	>200	>200	>200	>200	>200	196.8	147.2	111.8	86.2	67.3	53.3	42.7	34.5	28.3	23.3	19.3	16.3	13.8	11.7	10.0	8.7	7.5	6.5	5.7	5.0	4.5	4.0	3.5	3.2	2.8	2.5	2.3
89	>200	>200	>200	>200	>200	>200	>200	189.2	142.7	109.3	85.0	66.8	53.2	42.8	34.8	28.7	23.7	19.8	16.7	14.2	12.0	10.3	9.0	7.8	6.8	6.0	5.3	4.7	4.2	3.7	3.3	3.0	2.7
90	>200	>200	>200	>200	>200	>200	>200	>200	182.8	139.2	107.3	84.0	66.5	53.3	43.2	35.2	29.0	24.2	20.3	17.2	14.5	12.5	10.7	9.3	8.2	7.0	6.2	5.5	4.8	4.3	3.8	3.5	3.2
91	>200	>200	>200	>200	>200	>200	>200	>200	>200	177.5	136.2	105.8	83.3	66.3	53.5	43.5	35.7	29.5	24.7	20.8	17.5	15.0	12.8	11.2	9.7	8.3	7.3	6.5	5.7	5.2	4.5	4.0	3.7
92	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	173.3	133.8	104.8	83.0	66.5	53.8	44.0	36.2	30.2	25.2	21.3	18.2	15.5	13.3	11.5	10.0	8.7	7.7	6.8	6.0	5.3	4.8	4.3
93	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	169.8	132.2	104.2	83.0	66.8	54.3	44.5	36.8	30.7	25.8	21.8	18.7	16.0	13.8	12.0	10.3	9.2	8.0	7.0	6.3	5.7	5.0
94	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	167.2	131.0	103.8	83.2	67.3	55.0	45.2	37.5	31.5	26.5	22.5	19.2	16.5	14.3	12.3	10.8	9.5	8.3	7.3	6.5	5.8
95	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	165.3	130.3	103.8	83.5	67.8	55.7	46.0	38.3	32.2	27.3	23.2	19.8	17.2	14.8	12.8	11.3	9.8	8.7	7.7	6.8
96	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	164.2	130.0	104.2	84.3	68.8	56.7	47.0	39.3	33.2	28.0	24.0	20.5	17.7	15.3	13.3	11.8	10.3	9.2	8.2
97	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	163.5	130.3	104.8	85.2	69.8	57.7	48.0	40.3	34.0	29.0	24.8	21.3	18.5	16.0	14.0	12.3	10.8	9.5
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	163.5	131.0	105.8	86.3	71.2	59.0	49.3	41.5	35.2	30.0	25.7	22.2	19.2	16.7	14.7	12.8	11.3
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	164.2	132.2	107.3	87.8	72.5	60.3	50.7	42.7	36.3	31.0	26.7	23.0	20.0	17.3	15.3	13.5
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	165.5	133.7	109.0	89.7	74.3	62.0	52.2	44.2	37.5	32.2	27.7	24.0	20.8	18.2	16.0
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	167.3	135.8	111.2	91.7	76.3	63.8	53.8	45.7	39.0	33.3	28.8	25.0	21.8	19.0
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	169.8	138.3	113.7	94.2	78.5	65.8	55.7	47.3	40.5	34.8	30.0	26.2	22.8
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	173.0	141.5	116.7	96.8	81.0	68.2	57.8	49.2	42.2	36.3	31.5	27.3
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	176.8	145.2	120.0	100.0	83.8	70.8	60.2	51.3	44.0	38.0	33.0
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.5	149.5	124.0	103.5	87.0	73.7	62.7	53.7	46.2	39.8
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	187.0	154.5	128.5	107.7	90.7	76.8	65.5	56.2	48.5
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	193.3	160.2	133.7	112.2	94.8	80.5	68.8	59.0
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	166.8	139.5	117.3	99.3	84.5	72.3
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	174.3	146.2	123.3	104.5	89.2
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	183.0	153.8	130.0	110.5
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	193.0	162.5	137.5
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.5
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.2. Tabular Representation of Parking Nomograph for C-17 on -4 ºF (-20 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

-2 F	Gross C-17 Weight (lb)																															
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	1.0	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	1.7	1.3	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0
64	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
65	2.7	2.2	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
66	3.3	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
67	4.3	3.5	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
68	5.7	4.5	3.7	3.0	2.3	2.0	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
69	7.3	5.7	4.5	3.7	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70	9.3	7.3	5.8	4.7	3.8	3.2	2.7	2.2	1.8	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
71	12.2	9.3	7.3	5.8	4.8	3.8	3.2	2.7	2.3	2.0	1.7	1.5	1.2	1.2	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
72	15.8	12.2	9.5	7.5	6.0	4.8	4.0	3.3	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
73	20.5	15.5	12.0	9.5	7.5	6.2	5.0	4.2	3.5	2.8	2.5	2.2	1.8	1.7	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
74	26.7	20.2	15.5	12.0	9.5	7.7	6.2	5.2	4.3	3.5	3.0	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
75	34.8	26.0	19.8	15.3	12.0	9.7	7.8	6.3	5.3	4.3	3.7	3.2	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
76	45.5	33.7	25.5	19.5	15.3	12.2	9.7	7.8	6.5	5.3	4.5	3.8	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3
77	59.8	43.8	32.8	25.0	19.3	15.3	12.2	9.8	8.0	6.7	5.5	4.7	4.0	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3
78	78.5	57.0	42.3	32.0	24.7	19.3	15.3	12.3	10.0	8.2	6.8	5.7	4.8	4.2	3.5	3.0	2.7	2.3	2.0	1.8	1.5	1.3	1.3	1.2	1.0	0.8	0.8	0.8	0.7	0.7	0.5	0.5	0.5
79	103.7	74.5	54.8	41.2	31.3	24.3	19.2	15.3	12.3	10.2	8.3	7.0	5.8	5.0	4.2	3.7	3.2	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5
80	137.0	97.7	71.2	53.0	40.2	30.8	24.2	19.2	15.3	12.5	10.3	8.5	7.2	6.0	5.2	4.3	3.8	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7
81	181.5	128.2	92.7	68.3	51.3	39.3	30.5	24.0	19.2	15.5	12.7	10.5	8.7	7.3	6.2	5.3	4.5	4.0	3.3	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.8
82	>200	168.8	120.8	88.3	65.8	50.0	38.7	30.2	24.0	19.3	15.7	12.8	10.7	8.8	7.5	6.3	5.5	4.7	4.0	3.5	3.2	2.7	2.5	2.2	2.0	1.7	1.5	1.3	1.3	1.2	1.0	1.0	0.8
83	>200	>200	158.2	114.7	84.8	63.8	49.0	38.0	30.0	24.0	19.3	15.8	13.0	10.8	9.2	7.7	6.5	5.7	4.8	4.2	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0
84	>200	>200	>200	149.2	109.5	81.8	62.2	48.0	37.7	29.8	24.0	19.5	16.0	13.3	11.2	9.3	8.0	6.8	5.8	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3	1.2
85	>200	>200	>200	194.7	141.7	105.2	79.3	60.8	47.3	37.3	29.8	24.2	19.7	16.2	13.5	11.3	9.7	8.2	7.0	6.0	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3
86	>200	>200	>200	>200	183.8	135.3	101.5	77.3	59.8	46.8	37.2	29.8	24.3	20.0	16.5	13.8	11.7	9.8	8.3	7.2	6.2	5.5	4.8	4.2	3.7	3.3	2.8	2.7	2.3	2.2	1.8	1.7	1.5
87	>200	>200	>200	>200	>200	174.8	130.0	98.3	75.7	58.8	46.5	37.2	30.0	24.5	20.2	16.8	14.0	11.8	10.2	8.7	7.5	6.5	5.7	5.0	4.3	3.8	3.5	3.0	2.7	2.5	2.2	2.0	1.8
88	>200	>200	>200	>200	>200	>200	167.3	125.7	95.8	74.2	58.2	46.3	37.2	30.2	24.8	20.5	17.2	14.3	12.2	10.3	9.0	7.7	6.7	5.8	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.3	2.2
89	>200	>200	>200	>200	>200	>200	>200	160.8	122.0	93.8	73.2	57.8	46.2	37.3	30.5	25.2	20.8	17.5	14.7	12.5	10.7	9.2	8.0	7.0	6.2	5.3	4.7	4.2	3.7	3.3	3.0	2.7	2.5
90	>200	>200	>200	>200	>200	>200	>200	>200	155.5	118.8	92.2	72.3	57.5	46.2	37.5	30.8	25.5	21.2	17.8	15.2	12.8	11.0	9.5	8.3	7.2	6.3	5.5	5.0	4.3	3.8	3.5	3.2	2.8
91	>200	>200	>200	>200	>200	>200	>200	>200	199.2	151.2	116.5	90.8	71.8	57.5	46.3	37.8	31.2	25.8	21.7	18.3	15.5	13.3	11.3	9.8	8.7	7.5	6.7	5.8	5.2	4.7	4.2	3.7	3.3
92	>200	>200	>200	>200	>200	>200	>200	>200	>200	192.8	147.7	114.5	90.0	71.5	57.5	46.7	38.3	31.7	26.3	22.2	18.7	16.0	13.7	11.8	10.2	8.8	7.8	6.8	6.0	5.3	4.8	4.3	3.8
93	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	187.7	144.8	113.2	89.3	71.5	57.8	47.2	38.8	32.2	27.0	22.7	19.2	16.5	14.2	12.2	10.7	9.3	8.2	7.2	6.3	5.7	5.0	4.5
94	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	183.5	142.5	112.2	89.2	71.7	58.2	47.7	39.3	32.8	27.5	23.3	19.8	17.0	14.7	12.7	11.0	9.7	8.5	7.5	6.7	5.8	5.3
95	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	180.3	141.0	111.5	89.2	72.0	58.7	48.3	40.0	33.5	28.2	23.8	20.3	17.5	15.2	13.2	11.5	10.0	8.8	7.8	7.0	6.2
96	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	177.8	140.0	111.3	89.5	72.7	59.5	49.2	40.8	34.3	29.0	24.7	21.0	18.2	15.7	13.7	11.8	10.5	9.2	8.2	7.2
97	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	176.3	139.5	111.5	90.0	73.5	60.3	50.0	41.8	35.2	29.8	25.3	21.8	18.8	16.3	14.2	12.3	10.8	9.7	8.5
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	175.3	139.5	112.2	91.0	74.5	61.5	51.2	42.8	36.2	30.7	26.2	22.5	19.5	16.8	14.7	13.0	11.3	10.0
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	175.2	140.0	113.2	92.2	75.7	62.7	52.3	44.0	37.2	31.7	27.2	23.3	20.2	17.7	15.3	13.5	11.8
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	175.7	141.2	114.5	93.7	77.2	64.2	53.7	45.3	38.3	32.8	28.2	24.3	21.0	18.3	16.0	14.2
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	176.8	142.7	116.2	95.5	79.0	65.8	55.3	46.7	39.7	34.0	29.2	25.3	22.0	19.2	16.8
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	178.7	144.8	118.3	97.5	81.0	67.7	57.0	48.3	41.2	35.3	30.5	26.3	23.0	20.0
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.2	147.5	121.0	100.0	83.3	69.8	59.0	50.2	42.8	36.8	31.7	27.5	24.0
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	184.5	150.7	124.2	103.0	86.0	72.3	61.2	52.0	44.5	38.3	33.2	28.8
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	188.7	154.7	127.7	106.3	89.0	75.0	63.7	54.3	46.5	40.2	34.8
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	193.5	159.2	131.8	110.0	92.5	78.2	66.3	56.7	48.8	42.2
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	199.5	164.5	136.7	114.3	96.3	81.5	69.5	59.5	51.2
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	170.8	142.3	119.3	100.7	85.5	73.0	62.5
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	178.0	148.7	125.0	105.7	89.8	76.8
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	186.2	156.0	131.3	111.3	94.8
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.8	164.3	138.7	117.7
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	174.0	147.2
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	185.2
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.3. Tabular Representation of Parking Nomograph for C-17 on -2 ºF (-19 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

0 F	Gross C-17 Weight (lb)																															
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	1.2	1.0	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
64	1.8	1.5	1.3	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
65	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0
66	3.0	2.5	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0
67	4.0	3.2	2.5	2.2	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0
68	5.0	4.0	3.2	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
69	6.5	5.2	4.2	3.3	2.7	2.3	1.8	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70	8.3	6.5	5.2	4.2	3.5	2.8	2.3	2.0	1.7	1.5	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
71	10.8	8.3	6.7	5.3	4.3	3.5	3.0	2.5	2.0	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72	13.8	10.7	8.3	6.7	5.3	4.3	3.7	3.0	2.5	2.2	1.8	1.7	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
73	18.0	13.7	10.7	8.5	6.7	5.5	4.5	3.7	3.2	2.7	2.2	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
74	23.3	17.7	13.7	10.7	8.5	6.8	5.5	4.7	3.8	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2
75	30.3	22.7	17.3	13.5	10.7	8.5	7.0	5.7	4.7	4.0	3.3	2.8	2.5	2.2	1.8	1.7	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
76	39.5	29.3	22.3	17.2	13.5	10.7	8.7	7.0	5.8	4.8	4.0	3.5	3.0	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3
77	51.7	38.0	28.5	21.8	17.0	13.5	10.8	8.7	7.2	6.0	5.0	4.2	3.5	3.0	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3
78	67.5	49.3	36.8	28.0	21.5	17.0	13.5	10.8	8.8	7.3	6.0	5.2	4.3	3.7	3.2	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5
79	88.7	64.2	47.3	35.7	27.3	21.3	16.8	13.5	11.0	9.0	7.5	6.2	5.2	4.5	3.8	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5
80	116.7	83.7	61.3	45.8	34.8	27.0	21.2	16.8	13.7	11.0	9.2	7.7	6.3	5.3	4.7	4.0	3.3	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7
81	154.0	109.3	79.3	58.8	44.5	34.2	26.7	21.0	16.8	13.7	11.2	9.3	7.8	6.5	5.5	4.7	4.0	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.8	0.7
82	>200	143.3	103.2	75.8	56.8	43.3	33.5	26.3	21.0	17.0	13.8	11.3	9.5	8.0	6.7	5.7	4.8	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.3	1.2	1.0	1.0	0.8	0.8
83	>200	188.5	134.5	98.0	72.8	55.2	42.5	33.2	26.2	21.0	17.0	14.0	11.5	9.7	8.2	6.8	5.8	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0
84	>200	>200	175.7	127.0	93.7	70.3	53.7	41.7	32.8	26.2	21.0	17.2	14.2	11.7	9.8	8.3	7.0	6.0	5.2	4.5	4.0	3.5	3.0	2.7	2.3	2.2	2.0	1.7	1.5	1.3	1.3	1.2	1.0
85	>200	>200	>200	165.0	120.7	90.0	68.2	52.5	41.2	32.5	26.2	21.2	17.3	14.3	12.0	10.0	8.5	7.3	6.3	5.3	4.7	4.2	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2
86	>200	>200	>200	>200	156.0	115.5	86.8	66.5	51.7	40.7	32.3	26.2	21.3	17.5	14.5	12.2	10.3	8.7	7.5	6.5	5.7	4.8	4.3	3.8	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.5
87	>200	>200	>200	>200	>200	148.5	111.0	84.3	65.0	50.8	40.3	32.3	26.2	21.5	17.8	14.8	12.5	10.5	9.0	7.7	6.7	5.8	5.0	4.5	3.8	3.5	3.2	2.8	2.5	2.2	2.0	1.8	1.7
88	>200	>200	>200	>200	>200	191.7	142.2	107.3	82.2	64.0	50.3	40.2	32.3	26.3	21.7	18.0	15.0	12.7	10.8	9.2	8.0	6.8	6.0	5.3	4.7	4.0	3.7	3.2	2.8	2.7	2.3	2.2	1.8
89	>200	>200	>200	>200	>200	>200	182.7	136.8	104.2	80.5	63.0	50.0	40.0	32.5	26.7	22.0	18.3	15.3	13.0	11.2	9.5	8.2	7.2	6.2	5.5	4.8	4.3	3.8	3.3	3.0	2.7	2.5	2.2
90	>200	>200	>200	>200	>200	>200	>200	175.2	132.3	101.7	79.2	62.3	49.7	40.2	32.7	26.8	22.3	18.7	15.7	13.3	11.3	9.8	8.5	7.3	6.5	5.7	5.0	4.5	4.0	3.5	3.2	2.8	2.5
91	>200	>200	>200	>200	>200	>200	>200	>200	168.8	128.7	99.5	78.0	61.8	49.7	40.3	33.0	27.2	22.7	19.0	16.2	13.7	11.7	10.2	8.8	7.7	6.7	5.8	5.2	4.7	4.2	3.7	3.3	3.0
92	>200	>200	>200	>200	>200	>200	>200	>200	>200	163.5	125.7	98.0	77.3	61.7	49.7	40.5	33.3	27.7	23.2	19.5	16.5	14.2	12.2	10.5	9.2	8.0	7.0	6.2	5.5	4.8	4.3	3.8	3.5
93	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	159.3	123.3	96.8	76.8	61.7	50.0	40.8	33.7	28.2	23.5	19.8	17.0	14.5	12.5	10.8	9.5	8.2	7.2	6.3	5.7	5.0	4.5	4.0
94	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	155.8	121.5	96.0	76.5	61.8	50.3	41.3	34.3	28.7	24.2	20.3	17.3	15.0	12.8	11.2	9.8	8.5	7.5	6.7	6.0	5.3	4.7
95	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	197.5	153.2	120.2	95.5	76.7	62.0	50.8	41.8	34.8	29.2	24.7	21.0	18.0	15.5	13.3	11.7	10.2	8.8	7.8	7.0	6.2	5.5
96	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	193.7	151.2	119.3	95.3	76.8	62.5	51.3	42.7	35.5	29.8	25.3	21.5	18.5	16.0	13.8	12.0	10.5	9.3	8.2	7.3	6.5
97	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	190.7	149.8	119.0	95.5	77.3	63.3	52.2	43.3	36.3	30.7	26.0	22.2	19.2	16.5	14.3	12.5	11.0	9.7	8.5	7.7
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	188.7	149.0	119.0	96.0	78.2	64.2	53.2	44.3	37.2	31.5	26.8	23.0	19.8	17.2	14.8	13.0	11.5	10.2	9.0
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	187.3	148.8	119.5	96.8	79.2	65.2	54.2	45.3	38.2	32.3	27.7	23.7	20.5	17.8	15.5	13.5	12.0	10.5
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	187.0	149.3	120.3	98.0	80.3	66.5	55.5	46.5	39.3	33.5	28.7	24.7	21.3	18.5	16.2	14.2	12.5
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	187.3	150.3	121.7	99.5	81.8	68.0	56.8	47.8	40.5	34.5	29.7	25.5	22.2	19.3	16.8	14.8
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	188.3	151.8	123.5	101.3	83.7	69.7	58.5	49.3	42.0	35.8	30.8	26.7	23.0	20.2	17.7
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	190.2	154.0	125.7	103.5	85.8	71.7	60.3	51.0	43.5	37.2	32.0	27.7	24.2	21.0
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	192.8	156.7	128.5	106.0	88.3	74.0	62.3	52.8	45.2	38.7	33.3	29.0	25.2
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	196.3	160.2	131.7	109.2	91.0	76.5	64.7	55.0	47.0	40.5	35.0	30.3
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	164.3	135.5	112.7	94.3	79.3	67.3	57.3	49.2	42.3	36.7
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	169.2	140.0	116.7	97.8	82.7	70.2	60.0	51.5	44.3
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	175.0	145.2	121.3	102.0	86.3	73.5	62.8	54.0
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.8	151.3	126.7	106.8	90.5	77.2	66.2
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	189.7	158.2	132.8	112.2	95.3	81.3
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	198.7	166.2	139.8	118.3	100.7
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	175.5	148.0	125.5
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	186.2	157.3
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	198.7
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.4. Tabular Representation of Parking Nomograph for C-17 on 0 ºF (-17.5 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

2 F	Gross C-17 Weight (lb)																															
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	1.3	1.0	0.8	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
64	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0
65	2.2	1.8	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
66	2.8	2.2	1.8	1.5	1.3	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
67	3.5	2.8	2.3	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
68	4.5	3.7	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
69	5.8	4.5	3.7	3.0	2.5	2.0	1.7	1.5	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70	7.3	5.8	4.7	3.8	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
71	9.5	7.3	5.8	4.7	3.8	3.2	2.7	2.2	1.8	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72	12.2	9.5	7.5	6.0	4.8	4.0	3.3	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
73	15.8	12.2	9.5	7.5	6.0	4.8	4.0	3.3	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
74	20.3	15.5	12.0	9.5	7.5	6.2	5.0	4.2	3.5	2.8	2.5	2.2	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
75	26.3	19.8	15.3	12.0	9.5	7.7	6.2	5.2	4.2	3.5	3.0	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
76	34.2	25.7	19.5	15.2	11.8	9.5	7.7	6.3	5.2	4.3	3.7	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
77	44.5	33.0	24.8	19.2	15.0	11.8	9.5	7.8	6.3	5.3	4.5	3.8	3.2	2.8	2.3	2.0	1.8	1.7	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3
78	58.0	42.7	32.0	24.3	18.8	14.8	11.8	9.7	7.8	6.5	5.5	4.5	3.8	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3
79	75.8	55.2	41.0	31.0	23.8	18.7	14.8	12.0	9.7	8.0	6.7	5.5	4.7	4.0	3.5	3.0	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
80	99.5	71.7	52.8	39.7	30.3	23.5	18.5	14.8	12.0	9.8	8.2	6.8	5.7	4.8	4.2	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5
81	130.7	93.3	68.2	50.7	38.5	29.7	23.3	18.5	14.8	12.0	10.0	8.2	6.8	5.8	5.0	4.3	3.7	3.2	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.8	0.7	0.7
82	172.2	121.8	88.2	65.2	49.0	37.5	29.2	23.0	18.3	14.8	12.2	10.0	8.3	7.0	6.0	5.2	4.3	3.8	3.3	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7
83	>200	159.5	114.3	83.8	62.7	47.7	36.8	28.8	22.8	18.3	15.0	12.3	10.2	8.5	7.2	6.2	5.3	4.5	4.0	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8
84	>200	>200	148.8	108.2	80.2	60.5	46.3	36.2	28.5	22.8	18.5	15.2	12.5	10.3	8.7	7.3	6.3	5.3	4.7	4.0	3.5	3.2	2.8	2.5	2.2	2.0	1.7	1.5	1.5	1.3	1.2	1.0	1.0
85	>200	>200	194.2	139.8	102.8	77.0	58.7	45.3	35.7	28.3	22.8	18.5	15.2	12.7	10.5	8.8	7.5	6.5	5.7	4.8	4.2	3.7	3.3	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2
86	>200	>200	>200	181.5	132.3	98.5	74.5	57.2	44.7	35.3	28.2	22.8	18.7	15.3	12.8	10.8	9.2	7.8	6.7	5.8	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.2	2.0	1.7	1.5	1.5	1.3
87	>200	>200	>200	>200	171.0	126.2	94.7	72.3	56.0	44.0	35.0	28.2	22.8	18.8	15.7	13.0	11.0	9.3	8.0	6.8	6.0	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5
88	>200	>200	>200	>200	>200	162.2	120.8	91.7	70.5	55.0	43.5	34.8	28.2	23.0	19.0	15.8	13.3	11.2	9.5	8.2	7.2	6.2	5.3	4.7	4.2	3.7	3.3	2.8	2.7	2.3	2.2	1.8	1.7
89	>200	>200	>200	>200	>200	>200	154.7	116.3	89.0	69.0	54.3	43.2	34.8	28.3	23.2	19.3	16.2	13.5	11.5	9.8	8.5	7.3	6.3	5.5	4.8	4.3	3.8	3.3	3.0	2.7	2.5	2.2	2.0
90	>200	>200	>200	>200	>200	>200	198.5	148.3	112.7	86.8	67.8	53.7	43.0	34.8	28.5	23.5	19.5	16.3	13.8	11.8	10.2	8.7	7.5	6.5	5.8	5.0	4.5	4.0	3.5	3.2	2.8	2.5	2.3
91	>200	>200	>200	>200	>200	>200	>200	189.7	143.2	109.7	85.2	67.0	53.3	43.0	35.0	28.7	23.8	19.8	16.7	14.2	12.2	10.3	9.0	7.8	6.8	6.0	5.3	4.7	4.2	3.7	3.3	3.0	2.7
92	>200	>200	>200	>200	>200	>200	>200	>200	182.3	138.7	107.2	83.8	66.3	53.2	43.0	35.2	29.0	24.2	20.2	17.0	14.5	12.5	10.7	9.3	8.0	7.0	6.2	5.5	4.8	4.3	3.8	3.5	3.2
93	>200	>200	>200	>200	>200	>200	>200	>200	>200	176.2	135.2	105.2	82.8	66.0	53.2	43.2	35.5	29.3	24.5	20.7	17.5	14.8	12.8	11.0	9.7	8.3	7.3	6.5	5.7	5.0	4.5	4.0	3.7
94	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	171.2	132.3	103.7	82.0	65.8	53.2	43.5	35.8	29.8	25.0	21.0	17.8	15.3	13.2	11.3	10.0	8.7	7.7	6.7	6.0	5.3	4.7	4.2
95	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	167.0	130.0	102.5	81.7	65.8	53.5	43.8	36.3	30.3	25.5	21.5	18.3	15.8	13.7	11.8	10.3	9.0	8.0	7.0	6.2	5.5	5.0
96	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	163.8	128.3	101.8	81.5	66.0	54.0	44.5	37.0	31.0	26.0	22.2	18.8	16.3	14.0	12.2	10.7	9.3	8.2	7.3	6.5	5.8
97	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	161.3	127.3	101.5	81.7	66.5	54.5	45.2	37.7	31.7	26.7	22.7	19.5	16.8	14.5	12.7	11.0	9.7	8.7	7.7	6.8
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	159.7	126.7	101.5	82.2	67.2	55.3	45.8	38.3	32.3	27.5	23.5	20.2	17.3	15.0	13.2	11.5	10.2	9.0	8.0
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	158.7	126.5	101.8	82.8	68.0	56.2	46.8	39.3	33.2	28.2	24.2	20.8	18.0	15.7	13.7	12.0	10.5	9.3
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	199.5	158.3	126.8	102.7	83.8	69.0	57.3	47.8	40.3	34.2	29.2	25.0	21.5	18.7	16.3	14.2	12.5	11.0
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	198.8	158.5	127.7	103.8	85.0	70.3	58.5	49.0	41.5	35.2	30.2	25.8	22.3	19.3	17.0	14.8	13.0
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	199.0	159.5	129.0	105.3	86.7	71.8	60.0	50.5	42.7	36.3	31.2	26.8	23.2	20.2	17.7	15.5
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	161.0	130.8	107.2	88.5	73.7	61.7	52.0	44.2	37.7	32.3	27.8	24.2	21.2	18.5
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	163.2	133.2	109.5	90.7	75.7	63.5	53.7	45.7	39.2	33.7	29.2	25.3	22.0
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	166.2	136.0	112.2	93.2	78.0	65.7	55.7	47.5	40.7	35.2	30.3	26.5
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	169.8	139.5	115.3	96.2	80.7	68.2	58.0	49.5	42.5	36.7	31.8
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	174.2	143.5	119.2	99.7	83.8	71.0	60.3	51.7	44.5	38.5
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.5	148.3	123.5	103.5	87.3	74.0	63.2	54.2	46.7
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	185.8	154.0	128.5	108.0	91.3	77.7	66.3	57.0
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	193.2	160.7	134.3	113.2	95.8	81.7	69.8
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.2	141.0	119.0	101.0	86.2
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	177.0	148.8	125.8	107.0
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	187.3	157.8	133.7
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	199.3	168.2
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
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118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.5. Tabular Representation of Parking Nomograph for C-17 on 2 ºF (-16.5 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

4 F	Gross C-17 Weight (lb)																															
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	1.0	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	1.5	1.3	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0
65	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
66	2.5	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0
67	3.2	2.5	2.0	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0
68	4.0	3.2	2.7	2.2	1.8	1.5	1.3	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0
69	5.2	4.2	3.3	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
70	6.5	5.2	4.2	3.3	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
71	8.5	6.7	5.2	4.2	3.5	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72	10.8	8.3	6.7	5.3	4.3	3.5	3.0	2.5	2.0	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73	13.8	10.7	8.3	6.7	5.3	4.3	3.7	3.0	2.5	2.2	1.8	1.7	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
74	17.8	13.7	10.5	8.3	6.7	5.5	4.5	3.7	3.2	2.7	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
75	23.0	17.3	13.5	10.5	8.3	6.7	5.5	4.5	3.8	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2
76	29.7	22.3	17.0	13.3	10.5	8.3	6.8	5.7	4.7	3.8	3.3	2.8	2.3	2.0	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
77	38.5	28.7	21.7	16.8	13.2	10.5	8.5	6.8	5.7	4.7	4.0	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3
78	49.8	36.8	27.7	21.2	16.5	13.2	10.5	8.5	7.0	5.8	4.8	4.2	3.5	3.0	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3
79	65.0	47.5	35.5	27.0	20.8	16.3	13.0	10.5	8.7	7.0	5.8	5.0	4.2	3.7	3.0	2.7	2.3	2.0	1.8	1.5	1.3	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5
80	84.7	61.3	45.5	34.3	26.3	20.5	16.3	13.0	10.5	8.7	7.2	6.0	5.0	4.3	3.7	3.2	2.8	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5
81	110.8	79.5	58.3	43.7	33.3	25.8	20.3	16.2	13.0	10.7	8.8	7.3	6.2	5.2	4.5	3.8	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.8	0.7	0.7	0.5
82	145.3	103.5	75.3	55.8	42.3	32.5	25.3	20.2	16.2	13.2	10.7	8.8	7.5	6.3	5.3	4.5	4.0	3.3	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7
83	191.3	134.8	97.2	71.7	53.8	41.0	31.8	25.0	20.0	16.2	13.2	10.8	9.0	7.7	6.5	5.5	4.7	4.0	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8	0.8
84	>200	176.2	126.0	92.0	68.5	52.0	40.0	31.3	24.8	20.0	16.2	13.3	11.0	9.2	7.7	6.5	5.7	4.8	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8
85	>200	>200	163.7	118.5	87.7	66.0	50.5	39.2	30.8	24.7	19.8	16.2	13.3	11.2	9.3	7.8	6.7	5.8	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0
86	>200	>200	>200	153.2	112.3	84.0	63.8	49.2	38.5	30.5	24.5	20.0	16.3	13.5	11.3	9.5	8.2	6.8	6.0	5.2	4.5	4.0	3.5	3.0	2.7	2.3	2.2	2.0	1.7	1.5	1.5	1.3	1.2
87	>200	>200	>200	198.7	144.5	107.2	80.8	62.0	48.2	38.0	30.3	24.5	20.0	16.5	13.7	11.5	9.7	8.3	7.2	6.2	5.3	4.7	4.0	3.5	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3
88	>200	>200	>200	>200	186.3	137.2	102.7	78.2	60.5	47.3	37.7	30.2	24.5	20.2	16.7	13.8	11.7	10.0	8.5	7.3	6.3	5.5	4.8	4.2	3.7	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5
89	>200	>200	>200	>200	>200	176.0	130.8	99.0	76.0	59.2	46.8	37.3	30.2	24.7	20.3	16.8	14.2	12.0	10.2	8.7	7.5	6.5	5.7	5.0	4.3	3.8	3.5	3.0	2.7	2.5	2.2	2.0	1.8
90	>200	>200	>200	>200	>200	>200	167.3	125.7	95.8	74.2	58.3	46.3	37.2	30.2	24.8	20.5	17.2	14.3	12.2	10.3	9.0	7.7	6.7	5.8	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.3	2.2
91	>200	>200	>200	>200	>200	>200	>200	160.0	121.3	93.3	72.8	57.5	46.0	37.2	30.3	25.0	20.8	17.3	14.7	12.5	10.7	9.2	8.0	7.0	6.0	5.3	4.7	4.2	3.7	3.3	3.0	2.7	2.5
92	>200	>200	>200	>200	>200	>200	>200	>200	154.0	117.7	91.2	71.7	57.0	45.8	37.2	30.5	25.2	21.0	17.7	15.0	12.8	11.0	9.5	8.2	7.2	6.3	5.5	4.8	4.3	3.8	3.5	3.2	2.8
93	>200	>200	>200	>200	>200	>200	>200	>200	196.0	148.8	114.7	89.5	70.8	56.7	45.8	37.3	30.8	25.5	21.3	18.0	15.3	13.2	11.3	9.8	8.5	7.5	6.5	5.8	5.2	4.5	4.0	3.7	3.3
94	>200	>200	>200	>200	>200	>200	>200	>200	>200	189.0	144.7	112.3	88.3	70.2	56.5	45.8	37.7	31.2	26.0	21.8	18.5	15.7	13.5	11.7	10.0	8.8	7.7	6.8	6.0	5.3	4.7	4.2	3.8
95	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	183.2	141.3	110.5	87.3	69.8	56.5	46.2	38.0	31.5	26.3	22.2	18.8	16.2	13.8	12.0	10.3	9.2	8.0	7.0	6.2	5.5	5.0	4.5
96	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	178.3	138.7	109.0	86.8	69.8	56.7	46.5	38.5	32.0	26.8	22.7	19.3	16.5	14.3	12.3	10.8	9.5	8.3	7.3	6.5	5.8	5.2
97	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	174.7	136.7	108.2	86.5	70.0	57.0	47.0	39.0	32.7	27.5	23.3	19.8	17.0	14.7	12.8	11.2	9.8	8.7	7.7	6.8	6.0
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	171.7	135.2	107.7	86.5	70.3	57.7	47.7	39.7	33.3	28.2	23.8	20.5	17.7	15.2	13.3	11.7	10.2	9.0	8.0	7.0
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	169.7	134.3	107.5	86.8	70.8	58.3	48.3	40.5	34.0	28.8	24.7	21.2	18.2	15.8	13.8	12.0	10.7	9.3	8.3
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.3	134.0	107.8	87.5	71.7	59.2	49.3	41.3	34.8	29.7	25.3	21.8	18.8	16.3	14.3	12.5	11.0	9.8
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	167.8	134.3	108.5	88.5	72.8	60.3	50.3	42.3	35.8	30.5	26.2	22.5	19.5	17.0	14.8	13.0	11.5
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	167.8	135.0	109.7	89.7	74.0	61.7	51.7	43.5	37.0	31.5	27.2	23.3	20.3	17.7	15.5	13.7
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.7	136.3	111.2	91.3	75.7	63.2	53.0	44.8	38.2	32.7	28.2	24.3	21.2	18.5	16.2
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	170.3	138.2	113.0	93.3	77.5	64.8	54.7	46.3	39.5	33.8	29.2	25.3	22.0	19.3
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.7	140.7	115.5	95.5	79.7	66.8	56.5	48.0	41.0	35.3	30.5	26.5	23.0
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	175.7	143.7	118.3	98.3	82.2	69.2	58.5	49.8	42.7	36.8	31.8	27.7
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.5	147.3	121.8	101.5	85.0	71.7	60.8	52.0	44.7	38.5	33.3
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	184.3	151.7	125.8	105.0	88.3	74.7	63.5	54.3	46.7	40.3
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	190.0	157.0	130.5	109.3	92.0	78.0	66.5	57.0	49.2
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	197.0	163.2	136.0	114.2	96.3	81.8	69.8	60.0
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	170.3	142.3	119.7	101.3	86.2	73.8
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	178.7	149.7	126.2	107.0	91.2
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	188.5	158.2	133.7	113.5
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.2	142.3
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	180.0
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.6. Tabular Representation of Parking Nomograph for C-17 on 4 ºF (-15.5 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

Gross C-17 Weight (lb), 280,000–430,000 lb

6 F — Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
58	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0
59	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0
60	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0
61	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
62	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
63	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
64	1.3	1.2	1.0	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
65	1.8	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2
66	2.2	1.8	1.5	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2
67	2.8	2.3	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3
68	3.7	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3
69	4.7	3.7	3.0	2.5	2.0	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3
70	5.8	4.7	3.7	3.0	2.5	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5
71	7.5	5.8	4.7	3.8	3.2	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7
72	9.5	7.3	5.8	4.7	3.8	3.2	2.7	2.2	1.8	1.7	1.3	1.2	1.0	0.8	0.8	0.7
73	12.2	9.3	7.3	5.8	4.8	3.8	3.2	2.7	2.3	2.0	1.7	1.5	1.2	1.2	1.0	0.8
74	15.5	12.0	9.3	7.3	6.0	4.8	4.0	3.3	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0
75	20.0	15.2	11.8	9.3	7.3	6.0	4.8	4.0	3.3	2.8	2.5	2.2	1.8	1.5	1.3	1.2
76	25.7	19.5	15.0	11.7	9.2	7.5	6.0	5.0	4.2	3.5	3.0	2.5	2.2	1.8	1.7	1.5
77	33.2	24.8	19.0	14.7	11.5	9.2	7.5	6.2	5.0	4.2	3.5	3.0	2.7	2.2	2.0	1.7
78	42.8	31.8	24.0	18.5	14.5	11.5	9.3	7.5	6.2	5.2	4.3	3.7	3.2	2.7	2.3	2.0
79	55.5	40.8	30.7	23.3	18.2	14.3	11.5	9.3	7.7	6.3	5.3	4.5	3.8	3.2	2.8	2.3
80	72.2	52.7	39.2	29.7	22.8	18.0	14.2	11.5	9.3	7.7	6.3	5.3	4.5	3.8	3.3	2.8
81	94.0	67.8	50.0	37.7	28.8	22.5	17.7	14.2	11.5	9.3	7.8	6.5	5.5	4.7	4.0	3.3
82	122.8	87.8	64.3	48.0	36.5	28.2	22.2	17.5	14.2	11.5	9.5	7.8	6.7	5.5	4.8	4.0
83	160.8	114.0	82.7	61.2	46.2	35.5	27.7	21.8	17.5	14.2	11.5	9.5	8.0	6.7	5.7	4.8
84	>200	148.3	106.7	78.3	58.7	44.7	34.5	27.2	21.7	17.3	14.2	11.7	9.7	8.2	6.8	5.8
85	>200	193.7	138.0	100.5	74.7	56.5	43.3	33.8	26.8	21.5	17.3	14.2	11.8	9.8	8.3	7.0
86	>200	>200	179.0	129.3	95.3	71.5	54.7	42.3	33.3	26.5	21.3	17.3	14.3	11.8	10.0	8.5
87	>200	>200	>200	167.0	122.0	91.0	69.0	53.2	41.5	32.8	26.3	21.3	17.5	14.5	12.0	10.2
88	>200	>200	>200	>200	156.8	116.0	87.3	66.8	51.8	40.8	32.5	26.2	21.3	17.5	14.7	12.2
89	>200	>200	>200	>200	>200	148.2	110.8	84.2	65.0	50.8	40.3	32.3	26.2	21.5	17.7	14.8
90	>200	>200	>200	>200	>200	190.2	141.0	106.5	81.7	63.5	50.0	39.8	32.2	26.2	21.5	17.8
91	>200	>200	>200	>200	>200	>200	180.2	135.0	102.8	79.5	62.2	49.3	39.7	32.2	26.3	21.7
92	>200	>200	>200	>200	>200	>200	>200	171.8	130.0	99.8	77.7	61.3	49.0	39.5	32.2	26.5
93	>200	>200	>200	>200	>200	>200	>200	>200	164.8	125.8	97.3	76.3	60.7	48.7	39.5	32.3
94	>200	>200	>200	>200	>200	>200	>200	>200	>200	159.0	122.3	95.3	75.3	60.2	48.5	39.5
95	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	154.2	119.5	93.8	74.5	59.8	48.5
96	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.0	150.3	117.3	92.7	74.0	59.7
97	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	189.7	147.2	115.7	91.8	73.8
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	185.3	144.8	114.5	91.5
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	182.0	143.0	113.7
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.5	142.0
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	178.0
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Gross C-17 Weight (lb), 440,000–600,000 lb

6 F — Sea Ice Thickness (inches)	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0
66	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
67	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
68	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
69	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
70	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
71	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
74	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
75	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
76	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
77	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
78	1.8	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3
79	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3
80	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
81	3.0	2.5	2.3	2.0	1.8	1.5	1.3	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5
82	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7
83	4.2	3.7	3.2	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8	0.8	0.7
84	5.0	4.3	3.8	3.3	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8
85	6.0	5.2	4.5	3.8	3.3	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0
86	7.2	6.2	5.3	4.7	4.0	3.5	3.2	2.7	2.5	2.2	2.0	1.7	1.5	1.5	1.3	1.2	1.0
87	8.7	7.3	6.3	5.5	4.7	4.2	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2
88	10.3	8.8	7.5	6.5	5.7	4.8	4.3	3.8	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.5
89	12.5	10.5	9.0	7.7	6.7	5.8	5.0	4.5	3.8	3.5	3.0	2.8	2.5	2.2	2.0	1.8	1.7
90	15.0	12.7	10.7	9.2	7.8	6.8	6.0	5.2	4.7	4.0	3.7	3.2	2.8	2.5	2.3	2.2	1.8
91	18.2	15.2	12.8	11.0	9.5	8.2	7.0	6.2	5.3	4.8	4.2	3.7	3.3	3.0	2.7	2.5	2.2
92	22.0	18.3	15.5	13.2	11.3	9.7	8.3	7.3	6.3	5.7	5.0	4.3	3.8	3.5	3.2	2.8	2.5
93	26.7	22.2	18.7	15.8	13.5	11.5	10.0	8.7	7.5	6.7	5.8	5.2	4.5	4.0	3.7	3.3	3.0
94	32.5	27.0	22.5	19.0	16.2	13.8	11.8	10.2	8.8	7.8	6.8	6.0	5.3	4.7	4.2	3.8	3.3
95	39.7	32.8	27.3	23.0	19.3	16.5	14.2	12.2	10.5	9.2	8.0	7.0	6.3	5.5	5.0	4.3	4.0
96	48.7	40.0	33.2	27.8	23.3	19.8	17.0	14.5	12.5	10.8	9.5	8.3	7.3	6.5	5.8	5.2	4.7
97	59.8	49.0	40.5	33.7	28.3	23.8	20.3	17.3	15.0	13.0	11.3	9.8	8.7	7.7	6.8	6.0	5.3
98	73.8	60.2	49.5	41.0	34.3	28.8	24.5	20.8	17.8	15.5	13.3	11.7	10.2	9.0	8.0	7.0	6.3
99	91.3	74.2	60.7	50.0	41.7	35.0	29.5	25.0	21.5	18.5	16.0	13.8	12.2	10.7	9.3	8.3	7.3
100	113.5	91.7	74.7	61.3	50.8	42.5	35.7	30.2	25.8	22.0	19.0	16.5	14.3	12.5	11.0	9.7	8.7
101	141.5	113.7	92.2	75.5	62.3	51.8	43.3	36.5	31.0	26.5	22.8	19.7	17.2	14.8	13.0	11.5	10.2
102	177.2	141.7	114.3	93.2	76.5	63.3	52.8	44.3	37.5	32.0	27.3	23.5	20.3	17.7	15.5	13.7	12.0
103	>200	177.2	142.3	115.3	94.3	77.8	64.7	54.2	45.7	38.7	33.0	28.3	24.5	21.2	18.5	16.2	14.2
104	>200	>200	178.0	143.7	117.0	96.0	79.5	66.2	55.7	47.0	40.0	34.2	29.3	25.3	22.0	19.3	16.8
105	>200	>200	>200	179.7	145.5	119.0	98.0	81.3	68.0	57.3	48.5	41.3	35.5	30.5	26.5	23.0	20.2
106	>200	>200	>200	>200	182.0	148.2	121.5	100.5	83.7	70.2	59.2	50.3	43.0	36.8	31.8	27.7	24.2
107	>200	>200	>200	>200	>200	185.3	151.3	124.5	103.3	86.3	72.5	61.3	52.3	44.7	38.5	33.3	29.0
108	>200	>200	>200	>200	>200	>200	189.5	155.3	128.2	106.7	89.3	75.3	63.8	54.5	46.7	40.3	34.8
109	>200	>200	>200	>200	>200	>200	>200	194.7	160.0	132.7	110.7	92.8	78.5	66.7	57.0	49.0	42.3
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	165.7	137.7	115.2	97.0	82.2	70.0	59.8	51.5
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.5	143.7	120.5	101.7	86.2	73.5	63.2
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	180.3	150.7	126.5	107.0	91.0	77.8
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	189.7	158.8	133.7	113.2	96.5
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.3	142.0	120.5
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.5	151.7
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	192.7
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.7. Tabular Representation of Parking Nomograph for C-17 on 6 ºF (-14 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

8 F	Gross C-17 Weight (lb)																															
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	1.0	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	1.7	1.3	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0
66	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
67	2.5	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0
68	3.2	2.7	2.2	1.8	1.5	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0
69	4.2	3.3	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
70	5.2	4.2	3.3	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
71	6.7	5.2	4.2	3.3	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72	8.3	6.5	5.2	4.2	3.5	2.8	2.3	2.0	1.7	1.5	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73	10.7	8.3	6.5	5.2	4.3	3.5	2.8	2.5	2.0	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74	13.7	10.5	8.2	6.5	5.3	4.3	3.5	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
75	17.3	13.3	10.3	8.2	6.5	5.3	4.3	3.7	3.0	2.5	2.2	1.8	1.7	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
76	22.3	16.8	13.0	10.2	8.2	6.5	5.3	4.5	3.7	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2
77	28.7	21.5	16.5	12.8	10.2	8.2	6.7	5.5	4.5	3.8	3.2	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
78	36.8	27.5	20.8	16.2	12.7	10.2	8.2	6.7	5.5	4.7	3.8	3.3	2.8	2.3	2.2	1.8	1.7	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3
79	47.5	35.2	26.5	20.3	15.8	12.5	10.0	8.2	6.7	5.5	4.7	4.0	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3
80	61.5	45.0	33.7	25.7	19.8	15.7	12.5	10.0	8.2	6.8	5.7	4.8	4.0	3.5	3.0	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5
81	79.8	57.8	43.0	32.5	25.0	19.5	15.5	12.3	10.2	8.3	6.8	5.8	4.8	4.2	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5
82	103.7	74.7	54.8	41.2	31.5	24.3	19.2	15.3	12.3	10.2	8.3	7.0	5.8	5.0	4.2	3.7	3.2	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5
83	135.2	96.3	70.3	52.3	39.7	30.5	23.8	19.0	15.2	12.3	10.2	8.5	7.0	6.0	5.0	4.3	3.7	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8	0.8	0.7	0.7
84	176.8	124.8	90.3	66.7	50.2	38.3	29.8	23.5	18.8	15.2	12.5	10.3	8.5	7.2	6.2	5.2	4.5	3.8	3.3	3.0	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7
85	>200	162.3	116.3	85.2	63.7	48.3	37.3	29.2	23.2	18.7	15.2	12.5	10.3	8.7	7.3	6.2	5.3	4.7	4.0	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8
86	>200	>200	150.3	109.2	80.8	61.0	46.8	36.5	28.8	23.0	18.7	15.2	12.5	10.5	8.8	7.5	6.3	5.5	4.7	4.2	3.5	3.2	2.8	2.5	2.2	2.0	1.8	1.5	1.5	1.3	1.2	1.0	1.0
87	>200	>200	194.7	140.3	103.2	77.2	58.8	45.5	35.7	28.3	22.8	18.5	15.3	12.7	10.7	9.0	7.7	6.5	5.7	4.8	4.2	3.7	3.3	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2
88	>200	>200	>200	180.8	131.8	98.0	74.2	57.0	44.5	35.2	28.2	22.7	18.7	15.3	12.8	10.7	9.2	7.8	6.7	5.7	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.2	2.0	1.7	1.5	1.5	1.3
89	>200	>200	>200	>200	169.2	124.8	93.8	71.7	55.5	43.7	34.7	28.0	22.7	18.7	15.5	13.0	10.8	9.3	8.0	6.8	5.8	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5
90	>200	>200	>200	>200	>200	159.5	118.8	90.2	69.5	54.2	42.8	34.3	27.8	22.7	18.8	15.7	13.2	11.2	9.5	8.2	7.0	6.0	5.3	4.7	4.2	3.7	3.2	2.8	2.5	2.3	2.2	1.8	1.7
91	>200	>200	>200	>200	>200	>200	151.2	113.8	87.2	67.7	53.2	42.3	34.2	27.8	22.8	19.0	15.8	13.3	11.3	9.7	8.3	7.2	6.3	5.5	4.8	4.2	3.8	3.3	3.0	2.7	2.5	2.2	2.0
92	>200	>200	>200	>200	>200	>200	193.0	144.3	109.7	84.7	66.2	52.5	42.0	34.0	27.8	23.0	19.2	16.0	13.5	11.5	9.8	8.5	7.3	6.5	5.7	5.0	4.3	3.8	3.5	3.2	2.8	2.5	2.3
93	>200	>200	>200	>200	>200	>200	>200	183.5	138.7	106.3	82.7	65.0	51.8	41.8	34.0	28.0	23.2	19.3	16.3	13.8	11.8	10.2	8.8	7.7	6.7	5.8	5.2	4.5	4.0	3.7	3.3	3.0	2.7
94	>200	>200	>200	>200	>200	>200	>200	>200	175.7	133.8	103.3	81.0	64.2	51.5	41.7	34.0	28.2	23.3	19.7	16.7	14.2	12.2	10.5	9.0	7.8	6.8	6.0	5.3	4.7	4.2	3.8	3.3	3.0
95	>200	>200	>200	>200	>200	>200	>200	>200	>200	169.0	129.8	101.0	79.7	63.5	51.2	41.7	34.2	28.3	23.7	20.0	17.0	14.5	12.3	10.7	9.3	8.2	7.2	6.3	5.5	5.0	4.3	4.0	3.5
96	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	163.5	126.5	99.2	78.7	63.2	51.2	41.8	34.5	28.7	24.0	20.3	17.3	14.8	12.7	11.0	9.7	8.3	7.3	6.5	5.8	5.2	4.7	4.2
97	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	159.2	124.0	97.8	78.0	63.0	51.2	42.2	34.8	29.2	24.5	20.8	17.7	15.2	13.2	11.3	10.0	8.7	7.7	6.8	6.0	5.3	4.8
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	155.5	122.0	96.8	77.7	63.0	51.5	42.5	35.3	29.7	25.0	21.2	18.2	15.7	13.5	11.7	10.3	9.0	8.0	7.0	6.3	5.5
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.8	152.8	120.7	96.3	77.7	63.2	51.8	43.0	35.8	30.2	25.5	21.8	18.7	16.2	14.0	12.2	10.7	9.3	8.3	7.3	6.5
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	192.0	150.8	119.8	96.2	77.8	63.7	52.5	43.7	36.5	30.8	26.2	22.3	19.2	16.7	14.5	12.7	11.0	9.7	8.7	7.7
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	189.3	149.5	119.3	96.3	78.3	64.3	53.3	44.5	37.3	31.5	26.8	23.0	19.8	17.2	15.0	13.0	11.5	10.2	9.0
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	187.5	148.8	119.5	96.8	79.2	65.2	54.2	45.3	38.2	32.3	27.7	23.8	20.5	17.8	15.5	13.7	12.0	10.5
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	186.5	148.8	120.0	97.7	80.2	66.3	55.3	46.5	39.2	33.3	28.5	24.5	21.2	18.5	16.2	14.2	12.5
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	186.3	149.5	121.2	99.0	81.5	67.7	56.7	47.7	40.3	34.5	29.5	25.5	22.0	19.2	16.8	14.8
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	187.2	150.8	122.7	100.7	83.2	69.3	58.2	49.2	41.7	35.7	30.7	26.5	23.0	20.0	17.5
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	188.8	152.8	124.8	102.8	85.3	71.2	59.8	50.7	43.2	37.0	31.8	27.5	24.0	21.0
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	191.3	155.7	127.5	105.3	87.7	73.5	62.0	52.5	44.8	38.5	33.2	28.8	25.0
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.0	159.0	130.8	108.3	90.5	76.0	64.3	54.7	46.7	40.2	34.7	30.2
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	199.5	163.3	134.8	112.0	93.7	79.0	66.8	57.0	48.8	42.2	36.5
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.5	139.5	116.3	97.5	82.3	70.0	59.7	51.3	44.2
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	174.8	145.0	121.2	102.0	86.2	73.3	62.8	54.0
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	182.2	151.7	127.0	107.0	90.7	77.3	66.3
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	191.0	159.3	133.7	113.0	96.0	82.0
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.3	141.7	119.8	102.0
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.0	150.8	127.8
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	191.7	161.8
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.8. Tabular Representation of Parking Nomograph for C-17 on 8 ºF (-13 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

10 F	Gross C-17 Weight (lb)															
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0
58	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
59	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
60	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
61	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
62	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
63	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
64	1.2	1.0	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
65	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
66	1.8	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2
67	2.3	1.8	1.5	1.3	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2
68	2.8	2.3	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3
69	3.7	3.0	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3
70	4.7	3.7	3.0	2.5	2.0	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3
71	5.8	4.7	3.7	3.0	2.5	2.0	1.7	1.5	1.3	1.0	1.0	0.8	0.7	0.7	0.5	0.5
72	7.3	5.8	4.7	3.7	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7
73	9.3	7.3	5.8	4.7	3.8	3.2	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7
74	11.8	9.2	7.2	5.8	4.7	3.8	3.2	2.7	2.2	1.8	1.7	1.3	1.2	1.0	1.0	0.8
75	15.2	11.7	9.2	7.2	5.8	4.7	3.8	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0
76	19.3	14.7	11.5	9.0	7.2	5.8	4.8	4.0	3.3	2.8	2.3	2.0	1.8	1.5	1.3	1.2
77	24.7	18.7	14.3	11.2	9.0	7.2	5.8	4.8	4.0	3.3	2.8	2.5	2.2	1.8	1.5	1.3
78	31.7	23.7	18.2	14.0	11.2	8.8	7.2	5.8	4.8	4.2	3.5	3.0	2.5	2.2	1.8	1.7
79	40.7	30.2	22.8	17.7	13.8	11.0	8.8	7.2	6.0	5.0	4.2	3.5	3.0	2.7	2.2	2.0
80	52.3	38.7	29.0	22.2	17.3	13.7	11.0	8.8	7.3	6.0	5.0	4.2	3.7	3.2	2.7	2.3
81	67.7	49.3	36.8	28.0	21.7	17.0	13.5	10.8	8.8	7.3	6.0	5.2	4.3	3.7	3.2	2.7
82	87.5	63.3	46.8	35.3	27.2	21.2	16.7	13.3	10.8	8.8	7.3	6.2	5.2	4.3	3.8	3.3
83	113.7	81.5	59.8	44.7	34.0	26.3	20.7	16.5	13.3	10.8	9.0	7.5	6.3	5.3	4.5	3.8
84	147.8	105.2	76.5	56.7	42.8	33.0	25.8	20.3	16.3	13.3	10.8	9.0	7.5	6.3	5.3	4.7
85	193.0	136.0	98.0	72.2	54.2	41.3	32.2	25.3	20.2	16.2	13.3	11.0	9.2	7.7	6.5	5.5
86	>200	176.5	126.2	92.2	68.7	52.0	40.2	31.3	24.8	20.0	16.2	13.3	11.0	9.2	7.7	6.5
87	>200	>200	162.7	117.8	87.2	65.7	50.2	39.0	30.7	24.5	19.8	16.2	13.3	11.2	9.3	7.8
88	>200	>200	>200	151.3	111.0	83.0	63.0	48.7	38.2	30.3	24.3	19.7	16.2	13.3	11.2	9.5
89	>200	>200	>200	194.7	141.7	105.2	79.3	60.8	47.3	37.3	29.8	24.2	19.7	16.2	13.5	11.3
90	>200	>200	>200	>200	181.5	133.7	100.2	76.3	59.2	46.3	36.8	29.7	24.0	19.7	16.3	13.7
91	>200	>200	>200	>200	>200	170.5	127.0	96.2	73.8	57.7	45.5	36.3	29.3	24.0	19.8	16.5
92	>200	>200	>200	>200	>200	>200	161.3	121.3	92.7	71.8	56.3	44.8	36.0	29.3	24.0	20.0
93	>200	>200	>200	>200	>200	>200	>200	153.5	116.5	89.8	70.2	55.5	44.3	35.8	29.3	24.2
94	>200	>200	>200	>200	>200	>200	>200	195.2	147.0	112.5	87.3	68.7	54.7	44.0	35.8	29.3
95	>200	>200	>200	>200	>200	>200	>200	>200	186.2	141.7	109.3	85.5	67.7	54.2	43.8	35.8
96	>200	>200	>200	>200	>200	>200	>200	>200	>200	178.8	137.2	106.7	84.0	66.8	53.8	43.8
97	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.8	133.5	104.5	82.8	66.3	53.7
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	167.8	130.5	102.8	82.0	66.0
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	163.8	128.3	101.7	81.5
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	160.7	126.7	101.0
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	158.3	125.7
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	198.8	156.8
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	196.7
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

10 F	Gross C-17 Weight (lb)																
Sea Ice Thickness (inches)	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0
67	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
68	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
69	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0
70	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
71	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
75	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
76	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
77	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2
78	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
79	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3
80	2.0	1.8	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3
81	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5
82	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5
83	3.3	2.8	2.5	2.2	2.0	1.8	1.5	1.3	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7
84	4.0	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7
85	4.7	4.0	3.5	3.2	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8	0.8
86	5.7	4.8	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8
87	6.7	5.8	5.0	4.3	3.8	3.3	2.8	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0
88	8.0	6.8	5.8	5.2	4.5	3.8	3.5	3.0	2.7	2.3	2.2	2.0	1.7	1.5	1.3	1.3	1.2
89	9.7	8.2	7.0	6.0	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3
90	11.5	9.8	8.3	7.2	6.2	5.3	4.7	4.2	3.7	3.2	2.8	2.5	2.3	2.2	1.8	1.7	1.5
91	13.8	11.7	10.0	8.5	7.3	6.3	5.5	4.8	4.3	3.8	3.3	3.0	2.7	2.3	2.2	2.0	1.8
92	16.7	14.0	11.8	10.2	8.7	7.5	6.5	5.7	5.0	4.5	4.0	3.5	3.2	2.8	2.5	2.3	2.0
93	20.2	16.8	14.2	12.2	10.3	9.0	7.7	6.7	5.8	5.2	4.7	4.0	3.7	3.2	2.8	2.7	2.3
94	24.3	20.3	17.0	14.5	12.3	10.7	9.2	8.0	7.0	6.2	5.3	4.8	4.2	3.8	3.3	3.0	2.7
95	29.5	24.5	20.5	17.3	14.8	12.7	10.8	9.3	8.2	7.2	6.3	5.5	5.0	4.3	4.0	3.5	3.2
96	35.8	29.7	24.8	20.8	17.7	15.0	13.0	11.2	9.7	8.5	7.3	6.5	5.8	5.2	4.5	4.2	3.7
97	43.8	36.2	30.0	25.2	21.2	18.0	15.5	13.3	11.5	10.0	8.7	7.7	6.8	6.0	5.3	4.8	4.3
98	53.7	44.0	36.5	30.5	25.5	21.7	18.5	15.8	13.7	11.8	10.3	9.0	8.0	7.0	6.2	5.5	5.0
99	66.0	53.8	44.5	36.8	30.8	26.0	22.2	18.8	16.2	14.0	12.2	10.7	9.3	8.2	7.3	6.5	5.8
100	81.3	66.2	54.3	45.0	37.5	31.5	26.7	22.7	19.3	16.7	14.5	12.7	11.0	9.7	8.5	7.7	6.8
101	100.7	81.5	66.5	54.8	45.5	38.2	32.2	27.3	23.3	20.0	17.2	15.0	13.0	11.5	10.0	8.8	7.8
102	125.2	100.8	82.0	67.2	55.7	46.3	38.8	32.8	28.0	24.0	20.7	17.8	15.5	13.5	11.8	10.5	9.3
103	156.2	125.2	101.3	82.7	68.2	56.5	47.3	39.8	33.7	28.8	24.7	21.3	18.5	16.2	14.0	12.3	11.0
104	195.7	156.0	125.7	102.2	83.8	69.3	57.7	48.3	40.8	34.7	29.7	25.5	22.0	19.2	16.7	14.7	12.8
105	>200	195.5	156.7	126.8	103.5	85.2	70.7	59.0	49.7	42.0	35.8	30.7	26.5	22.8	20.0	17.5	15.3
106	>200	>200	196.3	158.0	128.5	105.3	87.0	72.3	60.7	51.2	43.5	37.0	31.8	27.5	23.8	20.8	18.2
107	>200	>200	>200	198.0	160.2	130.7	107.5	89.0	74.3	62.5	52.8	45.0	38.5	33.2	28.7	24.8	21.7
108	>200	>200	>200	>200	>200	163.0	133.5	110.2	91.7	76.7	64.7	54.8	46.7	40.2	34.5	30.0	26.0
109	>200	>200	>200	>200	>200	>200	166.8	137.0	113.5	94.7	79.5	67.2	57.0	48.7	41.8	36.2	31.3
110	>200	>200	>200	>200	>200	>200	>200	171.5	141.3	117.3	98.2	82.7	70.0	59.5	51.0	43.8	38.0
111	>200	>200	>200	>200	>200	>200	>200	>200	177.2	146.5	122.0	102.3	86.3	73.2	62.5	53.7	46.2
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	184.0	152.7	127.3	107.0	90.5	77.0	65.8	56.5
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	192.2	159.8	133.8	112.7	95.3	81.3	69.7
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.3	141.2	119.2	101.2	86.3
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	178.5	150.0	126.8	107.8
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	190.5	160.5	135.8
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.8
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.9. Tabular Representation of Parking Nomograph for C-17 on 10 ºF (-12 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

12 F	Gross C-17 Weight (lb)																															
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	1.3	1.2	1.0	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
66	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0
67	2.2	1.8	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
68	2.7	2.2	1.8	1.5	1.3	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
69	3.5	2.8	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
70	4.3	3.5	2.8	2.3	1.8	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
71	5.5	4.3	3.5	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
72	7.0	5.5	4.3	3.5	2.8	2.3	2.0	1.7	1.5	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73	8.8	6.8	5.5	4.3	3.5	3.0	2.5	2.0	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74	11.2	8.7	6.8	5.5	4.3	3.7	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75	14.2	10.8	8.5	6.8	5.5	4.5	3.7	3.0	2.5	2.2	1.8	1.7	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
76	18.0	13.7	10.7	8.5	6.8	5.5	4.5	3.7	3.2	2.7	2.2	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
77	23.0	17.3	13.5	10.5	8.3	6.7	5.5	4.5	3.8	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2
78	29.3	22.0	16.8	13.2	10.3	8.3	6.8	5.5	4.7	3.8	3.3	2.8	2.3	2.0	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
79	37.7	28.0	21.3	16.5	13.0	10.3	8.3	6.8	5.7	4.7	4.0	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3
80	48.5	35.8	27.0	20.7	16.2	12.8	10.2	8.3	6.8	5.7	4.7	4.0	3.3	3.0	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3
81	62.3	45.7	34.2	26.0	20.2	15.8	12.7	10.2	8.3	6.8	5.7	4.8	4.0	3.5	3.0	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5
82	80.5	58.5	43.3	32.8	25.2	19.7	15.7	12.5	10.2	8.3	7.0	5.8	4.8	4.2	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5
83	104.3	75.0	55.2	41.3	31.7	24.5	19.3	15.3	12.5	10.2	8.3	7.0	5.8	5.0	4.3	3.7	3.2	2.8	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5
84	135.5	96.7	70.5	52.5	39.7	30.7	24.0	19.0	15.3	12.3	10.2	8.5	7.0	6.0	5.0	4.3	3.8	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8	0.8	0.7	0.7
85	176.5	124.7	90.2	66.5	50.2	38.3	29.8	23.5	18.8	15.2	12.3	10.2	8.5	7.2	6.0	5.2	4.5	3.8	3.3	3.0	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7
86	>200	161.5	115.7	84.8	63.3	48.2	37.2	29.2	23.2	18.7	15.2	12.5	10.3	8.7	7.3	6.2	5.3	4.5	4.0	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8
87	>200	>200	149.0	108.3	80.2	60.5	46.5	36.2	28.5	22.8	18.5	15.2	12.5	10.3	8.7	7.3	6.3	5.5	4.7	4.0	3.5	3.2	2.8	2.5	2.2	2.0	1.7	1.5	1.5	1.3	1.2	1.0	1.0
88	>200	>200	192.5	138.7	102.0	76.3	58.2	45.0	35.3	28.2	22.7	18.3	15.2	12.5	10.5	8.8	7.5	6.5	5.5	4.8	4.2	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2
89	>200	>200	>200	178.2	130.0	96.7	73.2	56.3	43.8	34.7	27.8	22.5	18.3	15.2	12.7	10.7	9.0	7.7	6.7	5.7	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3
90	>200	>200	>200	>200	166.2	122.7	92.2	70.5	54.7	43.0	34.2	27.5	22.3	18.3	15.3	12.8	10.8	9.2	7.8	6.7	5.8	5.0	4.5	3.8	3.5	3.0	2.7	2.5	2.2	2.0	1.8	1.7	1.5
91	>200	>200	>200	>200	>200	156.2	116.7	88.5	68.2	53.3	42.2	33.8	27.3	22.3	18.5	15.3	13.0	11.0	9.3	8.0	6.8	6.0	5.2	4.7	4.0	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7
92	>200	>200	>200	>200	>200	199.5	147.8	111.5	85.3	66.3	52.2	41.5	33.5	27.3	22.3	18.7	15.5	13.2	11.2	9.5	8.2	7.2	6.2	5.3	4.7	4.2	3.7	3.3	3.0	2.7	2.3	2.2	2.0
93	>200	>200	>200	>200	>200	>200	188.2	140.8	107.2	82.7	64.7	51.3	41.2	33.3	27.3	22.5	18.7	15.7	13.3	11.3	9.7	8.3	7.3	6.3	5.5	4.8	4.3	3.8	3.5	3.0	2.8	2.5	2.3
94	>200	>200	>200	>200	>200	>200	>200	178.7	135.0	103.5	80.5	63.5	50.7	40.8	33.2	27.3	22.7	19.0	16.0	13.5	11.5	10.0	8.7	7.5	6.5	5.7	5.0	4.5	4.0	3.5	3.2	2.8	2.7
95	>200	>200	>200	>200	>200	>200	>200	>200	170.5	130.0	100.5	78.8	62.5	50.2	40.7	33.2	27.5	22.8	19.2	16.2	13.8	11.8	10.2	8.8	7.7	6.7	6.0	5.3	4.7	4.2	3.7	3.3	3.0
96	>200	>200	>200	>200	>200	>200	>200	>200	>200	163.8	126.0	98.2	77.5	61.8	49.8	40.7	33.3	27.7	23.2	19.5	16.5	14.2	12.2	10.5	9.2	8.0	7.0	6.2	5.5	4.8	4.3	3.8	3.5
97	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	158.3	122.7	96.2	76.3	61.3	49.7	40.7	33.5	28.0	23.5	19.8	16.8	14.5	12.5	10.8	9.3	8.2	7.2	6.3	5.7	5.0	4.5	4.0
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	199.8	153.8	120.0	94.7	75.7	61.0	49.7	40.8	33.8	28.3	23.8	20.2	17.2	14.8	12.8	11.2	9.7	8.5	7.5	6.7	5.8	5.2	4.7
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	193.7	150.2	118.0	93.7	75.2	61.0	50.0	41.2	34.3	28.8	24.3	20.7	17.7	15.2	13.2	11.5	10.0	8.8	7.8	6.8	6.2	5.5
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	188.8	147.3	116.5	93.0	75.2	61.2	50.3	41.7	34.8	29.3	24.8	21.2	18.2	15.7	13.5	11.8	10.3	9.2	8.0	7.2	6.3
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	185.0	145.3	115.5	92.8	75.2	61.5	50.8	42.3	35.3	29.8	25.3	21.7	18.7	16.2	14.0	12.2	10.7	9.5	8.3	7.5
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	182.2	144.0	115.0	92.8	75.7	62.2	51.5	43.0	36.2	30.7	26.0	22.3	19.2	16.7	14.5	12.7	11.2	9.8	8.7
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	180.3	143.3	115.2	93.3	76.3	63.0	52.3	43.8	37.0	31.3	26.8	23.0	19.8	17.3	15.0	13.2	11.7	10.3
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.3	143.3	115.7	94.2	77.3	64.0	53.3	44.8	38.0	32.3	27.7	23.8	20.7	17.8	15.7	13.7	12.2
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.2	143.8	116.7	95.3	78.7	65.3	54.7	46.0	39.0	33.3	28.7	24.7	21.3	18.7	16.3	14.3
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.8	145.2	118.2	97.0	80.2	66.8	56.2	47.5	40.3	34.5	29.7	25.7	22.3	19.5	17.0
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.5	147.2	120.2	99.0	82.2	68.7	57.8	49.0	41.7	35.8	30.8	26.7	23.2	20.3
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	184.0	149.7	122.8	101.5	84.5	70.8	59.8	50.8	43.3	37.2	32.2	27.8	24.3
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	187.5	153.2	126.0	104.5	87.3	73.3	62.0	52.8	45.2	38.8	33.7	29.2
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	192.2	157.3	130.0	108.2	90.5	76.3	64.7	55.2	47.3	40.8	35.3
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	197.8	162.7	134.7	112.3	94.3	79.7	67.7	57.8	49.7	42.8
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.8	140.2	117.3	98.7	83.5	71.2	60.8	52.3
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	176.3	146.8	123.0	103.8	88.0	75.2	64.3
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	185.3	154.7	129.8	109.8	93.3	79.7
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.8	163.8	138.0	116.8	99.3
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	174.8	147.5	125.0
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	188.0	158.8
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.10. Tabular Representation of Parking Nomograph for C-17 on 12 ºF (-11 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

14 F	Gross C-17 Weight (lb)																																
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	1.3	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
66	1.7	1.3	1.2	1.0	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0
67	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
68	2.5	2.0	1.7	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0
69	3.2	2.7	2.2	1.8	1.5	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
70	4.0	3.3	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
71	5.2	4.2	3.3	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
72	6.5	5.2	4.2	3.3	2.7	2.3	1.8	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73	8.2	6.5	5.2	4.2	3.3	2.8	2.3	2.0	1.7	1.5	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74	10.3	8.0	6.3	5.2	4.2	3.3	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75	13.2	10.2	8.0	6.3	5.2	4.2	3.5	2.8	2.5	2.0	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
76	16.8	12.8	10.0	7.8	6.3	5.2	4.2	3.5	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
77	21.3	16.2	12.5	9.8	7.8	6.3	5.2	4.3	3.5	3.0	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2
78	27.3	20.5	15.7	12.3	9.7	7.8	6.3	5.2	4.3	3.7	3.0	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
79	34.8	26.0	19.8	15.3	12.0	9.7	7.8	6.3	5.3	4.3	3.7	3.2	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
80	44.7	33.2	25.0	19.2	15.0	12.0	9.5	7.8	6.3	5.3	4.5	3.8	3.2	2.8	2.3	2.0	1.8	1.7	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3
81	57.5	42.2	31.7	24.2	18.7	14.8	11.8	9.5	7.8	6.5	5.3	4.5	3.8	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3
82	74.2	54.0	40.2	30.3	23.3	18.3	14.5	11.7	9.5	7.8	6.5	5.5	4.7	4.0	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
83	95.8	69.2	51.0	38.3	29.3	22.8	18.0	14.3	11.7	9.5	7.8	6.5	5.5	4.7	4.0	3.5	3.0	2.7	2.3	2.0	1.8	1.5	1.3	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5
84	124.2	88.8	65.0	48.5	36.8	28.5	22.3	17.7	14.3	11.7	9.5	8.0	6.7	5.7	4.8	4.2	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7
85	161.3	114.3	83.0	61.3	46.3	35.5	27.7	21.8	17.5	14.2	11.7	9.7	8.0	6.7	5.7	4.8	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8	0.8	0.7
86	>200	147.7	106.2	78.0	58.3	44.5	34.5	27.0	21.5	17.3	14.2	11.7	9.7	8.2	6.8	5.8	5.0	4.3	3.7	3.3	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8
87	>200	191.5	136.5	99.5	73.8	55.8	43.0	33.5	26.5	21.3	17.2	14.2	11.7	9.7	8.2	7.0	6.0	5.2	4.5	3.8	3.3	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0
88	>200	>200	175.8	127.2	93.7	70.3	53.8	41.7	32.8	26.2	21.0	17.2	14.2	11.7	9.8	8.3	7.0	6.0	5.2	4.5	4.0	3.5	3.0	2.7	2.3	2.2	2.0	1.7	1.5	1.3	1.3	1.2	1.0
89	>200	>200	>200	163.0	119.2	89.0	67.5	52.0	40.7	32.2	25.8	21.0	17.2	14.2	11.8	10.0	8.5	7.2	6.2	5.3	4.7	4.0	3.5	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2
90	>200	>200	>200	>200	152.2	112.7	84.8	65.0	50.5	39.8	31.7	25.7	20.8	17.2	14.3	12.0	10.2	8.7	7.3	6.3	5.5	4.8	4.2	3.7	3.3	2.8	2.7	2.3	2.2	1.8	1.7	1.5	1.3
91	>200	>200	>200	>200	194.8	143.2	107.2	81.5	62.8	49.3	39.0	31.3	25.5	20.8	17.2	14.3	12.2	10.3	8.8	7.5	6.5	5.7	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.2	2.0	1.8	1.7
92	>200	>200	>200	>200	>200	182.5	135.5	102.5	78.7	61.2	48.2	38.5	31.2	25.3	20.8	17.3	14.5	12.3	10.5	9.0	7.7	6.7	5.8	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.3	2.0	1.8
93	>200	>200	>200	>200	>200	>200	172.2	129.2	98.5	76.2	59.8	47.5	38.2	31.0	25.3	21.0	17.5	14.7	12.5	10.7	9.2	7.8	6.8	6.0	5.2	4.7	4.2	3.7	3.2	2.8	2.7	2.3	2.2
94	>200	>200	>200	>200	>200	>200	>200	163.5	123.8	95.2	74.2	58.7	46.8	37.8	30.8	25.3	21.2	17.7	15.0	12.7	10.8	9.3	8.2	7.0	6.2	5.3	4.8	4.2	3.8	3.3	3.0	2.7	2.5
95	>200	>200	>200	>200	>200	>200	>200	>200	156.2	119.3	92.5	72.7	57.7	46.3	37.7	30.8	25.5	21.3	17.8	15.2	13.0	11.2	9.5	8.3	7.2	6.3	5.7	5.0	4.3	4.0	3.5	3.2	2.8
96	>200	>200	>200	>200	>200	>200	>200	>200	197.8	150.2	115.7	90.3	71.3	57.2	46.2	37.7	31.0	25.7	21.5	18.2	15.5	13.2	11.3	9.8	8.5	7.5	6.5	5.8	5.2	4.5	4.0	3.7	3.3
97	>200	>200	>200	>200	>200	>200	>200	>200	>200	189.5	145.2	112.7	88.7	70.5	56.7	46.0	37.7	31.2	26.0	21.8	18.5	15.8	13.5	11.7	10.2	8.8	7.7	6.8	6.0	5.3	4.7	4.2	3.8
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	182.8	141.0	110.3	87.3	69.8	56.5	46.0	37.8	31.5	26.3	22.2	18.8	16.2	13.8	12.0	10.3	9.2	8.0	7.0	6.2	5.5	5.0	4.5
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	177.3	137.8	108.5	86.3	69.5	56.3	46.2	38.2	31.8	26.8	22.7	19.3	16.5	14.2	12.3	10.7	9.3	8.3	7.3	6.5	5.8	5.2
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.8	135.3	107.2	85.7	69.3	56.5	46.5	38.7	32.3	27.2	23.2	19.7	17.0	14.7	12.7	11.2	9.7	8.5	7.5	6.7	6.0
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	169.3	133.3	106.2	85.5	69.5	56.8	47.0	39.2	32.8	27.8	23.7	20.2	17.5	15.2	13.2	11.5	10.0	8.8	7.8	7.0
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	166.8	132.2	105.8	85.5	69.8	57.5	47.7	39.8	33.5	28.5	24.3	20.8	18.0	15.7	13.7	11.8	10.5	9.2	8.2
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	165.2	131.5	105.8	86.0	70.5	58.2	48.5	40.7	34.3	29.2	25.0	21.5	18.5	16.2	14.2	12.3	10.8	9.7
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	164.3	131.5	106.3	86.8	71.3	59.2	49.5	41.7	35.2	30.0	25.7	22.2	19.2	16.7	14.7	12.8	11.3
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	164.2	132.2	107.3	87.8	72.5	60.3	50.7	42.7	36.3	31.0	26.7	23.0	20.0	17.3	15.3	13.5
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	164.8	133.3	108.7	89.3	74.0	61.8	52.0	44.0	37.5	32.0	27.7	23.8	20.8	18.2	16.0
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	166.3	135.0	110.5	91.2	75.8	63.5	53.5	45.3	38.7	33.2	28.7	24.8	21.7	19.0
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.7	137.5	113.0	93.5	78.0	65.5	55.3	47.0	40.2	34.7	29.8	26.0	22.7
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	171.8	140.7	116.0	96.3	80.5	67.8	57.5	49.0	42.0	36.2	31.3	27.2
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	176.0	144.5	119.5	99.5	83.5	70.5	59.8	51.2	43.8	37.8	32.8
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.2	149.2	123.8	103.3	87.0	73.5	62.5	53.5	46.0	39.8
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	187.7	155.0	128.8	108.0	91.0	77.2	65.7	56.3	48.5
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.3	161.8	134.8	113.2	95.7	81.2	69.3	59.5
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	169.8	142.0	119.5	101.2	86.0	73.7
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.5	150.5	126.8	107.5	91.7
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	191.2	160.5	135.5	115.0
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.5	145.8
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	186.8
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.11. Tabular Representation of Parking Nomograph for C-17 on 14 ºF (-10 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

15 F	Gross C-17 Weight (lb)																																
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	1.0	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	1.3	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	1.5	1.3	1.0	0.8	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0
67	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
68	2.5	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0
69	3.2	2.5	2.0	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0
70	4.0	3.2	2.5	2.2	1.8	1.5	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0
71	5.0	4.0	3.2	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
72	6.3	5.0	4.0	3.2	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73	8.0	6.2	5.0	4.0	3.3	2.7	2.3	1.8	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74	10.0	7.8	6.2	5.0	4.0	3.3	2.8	2.3	2.0	1.7	1.5	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75	12.7	9.8	7.7	6.2	5.0	4.0	3.3	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
76	16.2	12.3	9.7	7.7	6.2	5.0	4.2	3.3	2.8	2.5	2.0	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
77	20.7	15.7	12.2	9.5	7.7	6.2	5.0	4.2	3.5	3.0	2.5	2.2	1.8	1.7	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
78	26.3	19.8	15.2	11.8	9.3	7.5	6.2	5.0	4.2	3.5	3.0	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
79	33.5	25.2	19.2	14.8	11.7	9.3	7.5	6.2	5.2	4.3	3.7	3.0	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
80	43.0	31.8	24.2	18.5	14.5	11.5	9.3	7.5	6.2	5.2	4.3	3.7	3.2	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3
81	55.2	40.7	30.5	23.3	18.0	14.3	11.3	9.2	7.5	6.3	5.2	4.3	3.7	3.2	2.8	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3
82	71.2	51.8	38.5	29.3	22.5	17.7	14.0	11.3	9.2	7.7	6.3	5.3	4.5	3.8	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
83	91.8	66.3	49.0	36.8	28.2	22.0	17.3	13.8	11.3	9.2	7.7	6.3	5.3	4.5	3.8	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5
84	118.8	85.2	62.3	46.5	35.3	27.3	21.5	17.2	13.8	11.2	9.2	7.7	6.5	5.5	4.7	4.0	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7
85	154.3	109.5	79.5	59.0	44.5	34.2	26.7	21.2	16.8	13.7	11.2	9.3	7.8	6.5	5.5	4.7	4.2	3.5	3.2	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.8	0.7
86	>200	141.3	101.8	74.8	56.2	42.8	33.2	26.0	20.8	16.7	13.7	11.2	9.3	7.8	6.7	5.7	4.8	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.3	1.2	1.0	1.0	0.8	0.8
87	>200	183.0	130.7	95.3	70.8	53.7	41.3	32.3	25.7	20.5	16.7	13.7	11.3	9.5	8.0	6.7	5.8	5.0	4.3	3.7	3.3	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0	0.8
88	>200	>200	168.2	121.7	89.8	67.5	51.7	40.2	31.7	25.2	20.3	16.7	13.7	11.3	9.5	8.0	6.8	5.8	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3	1.2	1.0
89	>200	>200	>200	155.8	114.2	85.3	64.8	50.0	39.2	31.0	24.8	20.2	16.5	13.7	11.5	9.7	8.2	7.0	6.0	5.2	4.5	4.0	3.5	3.0	2.7	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2
90	>200	>200	>200	>200	145.5	107.8	81.3	62.3	48.5	38.3	30.5	24.7	20.2	16.7	13.8	11.5	9.8	8.3	7.2	6.2	5.3	4.7	4.0	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3
91	>200	>200	>200	>200	186.2	137.0	102.7	78.2	60.5	47.3	37.7	30.2	24.5	20.2	16.7	13.8	11.7	10.0	8.5	7.3	6.3	5.5	4.8	4.2	3.7	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5
92	>200	>200	>200	>200	>200	174.5	129.8	98.2	75.5	58.8	46.3	37.0	30.0	24.5	20.2	16.8	14.0	11.8	10.2	8.7	7.5	6.5	5.7	5.0	4.3	3.8	3.3	3.0	2.7	2.5	2.2	2.0	1.8
93	>200	>200	>200	>200	>200	>200	164.7	123.7	94.5	73.2	57.5	45.7	36.7	29.8	24.5	20.2	16.8	14.2	12.0	10.3	8.8	7.7	6.7	5.8	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.3	2.0
94	>200	>200	>200	>200	>200	>200	>200	156.3	118.7	91.3	71.3	56.3	45.0	36.5	29.7	24.5	20.3	17.0	14.5	12.3	10.5	9.0	7.8	6.8	6.0	5.3	4.7	4.2	3.7	3.3	3.0	2.7	2.3
95	>200	>200	>200	>200	>200	>200	>200	198.3	149.5	114.3	88.8	69.8	55.5	44.7	36.3	29.8	24.7	20.5	17.3	14.7	12.5	10.7	9.3	8.0	7.0	6.2	5.5	4.8	4.3	3.8	3.3	3.0	2.8
96	>200	>200	>200	>200	>200	>200	>200	>200	189.0	143.7	110.8	86.7	68.5	54.8	44.3	36.2	29.8	24.8	20.8	17.5	15.0	12.8	11.0	9.5	8.3	7.2	6.3	5.7	5.0	4.5	4.0	3.5	3.2
97	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.3	139.0	108.0	85.0	67.7	54.5	44.3	36.3	30.0	25.2	21.2	17.8	15.2	13.0	11.3	9.8	8.5	7.5	6.7	5.8	5.2	4.7	4.2	3.7
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	174.8	135.2	105.7	83.7	67.0	54.2	44.3	36.5	30.3	25.3	21.5	18.2	15.5	13.3	11.7	10.0	8.8	7.7	6.8	6.0	5.3	4.8	4.3
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	169.7	132.0	104.0	82.8	66.7	54.2	44.5	36.8	30.7	25.8	21.8	18.7	16.0	13.8	12.0	10.3	9.2	8.0	7.0	6.3	5.7	5.0
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	165.3	129.5	102.7	82.3	66.5	54.3	44.8	37.2	31.2	26.3	22.3	19.0	16.3	14.2	12.3	10.7	9.3	8.3	7.3	6.5	5.8
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	162.2	127.8	101.8	82.0	66.7	54.7	45.3	37.7	31.7	26.8	22.8	19.5	16.8	14.7	12.7	11.2	9.8	8.7	7.7	6.8
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	159.7	126.7	101.5	82.2	67.0	55.3	45.8	38.3	32.3	27.5	23.5	20.2	17.3	15.0	13.2	11.5	10.2	9.0	8.0
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	158.2	126.0	101.5	82.5	67.7	56.0	46.7	39.2	33.2	28.2	24.2	20.7	18.0	15.7	13.7	12.0	10.5	9.3
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	198.2	157.3	126.0	102.0	83.3	68.5	57.0	47.7	40.0	34.0	29.0	24.8	21.5	18.5	16.2	14.2	12.5	11.0
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	197.2	157.2	126.7	102.8	84.3	69.7	58.0	48.7	41.2	35.0	29.8	25.7	22.2	19.3	16.8	14.7	13.0
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	197.0	157.8	127.7	104.2	85.8	71.2	59.5	50.0	42.3	36.0	30.8	26.7	23.0	20.0	17.5	15.3
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	197.8	159.3	129.5	106.0	87.5	72.8	61.0	51.5	43.7	37.3	32.0	27.7	24.0	21.0	18.3
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	199.7	161.5	131.7	108.3	89.8	75.0	63.0	53.2	45.3	38.8	33.3	28.8	25.0	21.8
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	164.5	134.7	111.2	92.3	77.3	65.2	55.2	47.2	40.3	34.8	30.2	26.3
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.5	138.5	114.7	95.5	80.2	67.7	57.5	49.2	42.2	36.5	31.7
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	173.5	143.0	118.7	99.2	83.5	70.7	60.2	51.5	44.3	38.3
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.5	148.5	123.5	103.5	87.3	74.2	63.2	54.2	46.7
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	186.8	155.0	129.3	108.7	91.8	78.0	66.7	57.3
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.7	162.7	136.2	114.5	97.0	82.7	70.7
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.0	144.2	121.7	103.2	88.0
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	183.0	153.7	129.8	110.3
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	196.2	165.2	139.8
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	178.8
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.12. Tabular Representation of Parking Nomograph for C-17 on 15 ºF (-9.5 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

16 F	Gross C-17 Weight (lb)										
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000
50	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0.2	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
59	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
60	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0
61	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
62	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
63	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2
64	1.0	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2
65	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3
66	1.5	1.3	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3
67	2.0	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.5	0.5	0.3
68	2.5	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5
69	3.0	2.5	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5
70	3.8	3.0	2.5	2.0	1.7	1.5	1.2	1.0	0.8	0.8	0.7
71	4.8	3.8	3.2	2.5	2.2	1.8	1.5	1.3	1.0	1.0	0.8
72	6.2	4.8	3.8	3.2	2.7	2.2	1.8	1.5	1.3	1.2	1.0
73	7.7	6.0	4.8	3.8	3.2	2.7	2.2	1.8	1.5	1.3	1.2
74	9.7	7.5	6.0	4.8	3.8	3.2	2.7	2.3	1.8	1.7	1.3
75	12.3	9.5	7.5	6.0	4.8	4.0	3.3	2.7	2.3	2.0	1.7
76	15.7	12.0	9.3	7.3	6.0	4.8	4.0	3.3	2.8	2.3	2.0
77	19.8	15.2	11.7	9.2	7.3	6.0	4.8	4.0	3.3	2.8	2.5
78	25.3	19.2	14.7	11.5	9.2	7.3	6.0	4.8	4.2	3.5	2.8
79	32.3	24.2	18.5	14.3	11.3	9.0	7.3	6.0	5.0	4.2	3.5
80	41.3	30.7	23.2	17.8	14.0	11.2	9.0	7.3	6.0	5.0	4.2
81	53.0	39.0	29.3	22.5	17.5	13.8	11.0	9.0	7.3	6.0	5.0
82	68.2	49.8	37.2	28.2	21.8	17.0	13.5	11.0	9.0	7.3	6.2
83	88.0	63.7	47.0	35.5	27.2	21.2	16.8	13.5	10.8	9.0	7.3
84	113.7	81.5	59.8	44.7	34.0	26.3	20.7	16.5	13.3	10.8	9.0
85	147.5	104.8	76.3	56.7	42.8	32.8	25.7	20.3	16.3	13.2	10.8
86	191.8	135.2	97.5	71.8	53.8	41.2	32.0	25.2	20.0	16.2	13.2
87	>200	174.8	125.0	91.3	68.0	51.7	39.8	31.2	24.7	19.8	16.0
88	>200	>200	160.7	116.5	86.2	64.8	49.7	38.7	30.5	24.3	19.7
89	>200	>200	>200	149.0	109.3	81.8	62.2	48.0	37.7	29.8	24.0
90	>200	>200	>200	191.3	139.3	103.3	78.2	60.0	46.7	36.8	29.5
91	>200	>200	>200	>200	178.0	131.2	98.3	75.0	58.0	45.5	36.2
92	>200	>200	>200	>200	>200	166.8	124.2	94.2	72.3	56.5	44.7
93	>200	>200	>200	>200	>200	>200	157.5	118.5	90.5	70.2	55.2
94	>200	>200	>200	>200	>200	>200	>200	149.7	113.7	87.7	68.5
95	>200	>200	>200	>200	>200	>200	>200	189.7	143.0	109.7	85.2
96	>200	>200	>200	>200	>200	>200	>200	>200	180.8	137.7	106.3
97	>200	>200	>200	>200	>200	>200	>200	>200	>200	173.3	133.0
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	167.3
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Sea Ice Thickness (inches)	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000
50	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0
62	0.2	0.2	0	0	0	0	0	0	0	0	0
63	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
64	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
65	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
66	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
67	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
68	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
69	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
70	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
71	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2
72	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
73	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3
74	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3
75	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5
76	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5
77	2.0	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7
78	2.5	2.2	1.8	1.7	1.3	1.2	1.2	1.0	0.8	0.8	0.7
79	3.0	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8
80	3.5	3.0	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	1.0
81	4.3	3.7	3.2	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.2
82	5.2	4.3	3.7	3.2	2.8	2.3	2.2	1.8	1.7	1.5	1.3
83	6.2	5.2	4.5	3.8	3.3	2.8	2.5	2.2	1.8	1.7	1.5
84	7.5	6.3	5.3	4.5	3.8	3.3	2.8	2.5	2.2	2.0	1.8
85	9.0	7.5	6.3	5.3	4.7	4.0	3.5	3.0	2.7	2.3	2.0
86	10.8	9.0	7.7	6.5	5.5	4.7	4.0	3.5	3.2	2.7	2.3
87	13.2	11.0	9.2	7.7	6.5	5.7	4.8	4.2	3.7	3.2	2.8
88	16.0	13.2	11.0	9.2	7.8	6.7	5.7	5.0	4.3	3.7	3.3
89	19.5	16.0	13.3	11.0	9.3	8.0	6.8	5.8	5.0	4.3	3.8
90	23.8	19.5	16.0	13.3	11.2	9.5	8.0	6.8	6.0	5.2	4.5
91	29.2	23.7	19.5	16.2	13.5	11.3	9.7	8.2	7.0	6.2	5.3
92	35.7	28.8	23.7	19.5	16.2	13.5	11.5	9.8	8.3	7.2	6.3
93	43.8	35.3	28.7	23.7	19.5	16.3	13.7	11.7	10.0	8.5	7.3
94	54.2	43.3	35.0	28.7	23.7	19.7	16.5	14.0	11.8	10.2	8.8
95	67.0	53.3	43.0	35.0	28.7	23.8	19.8	16.7	14.2	12.2	10.3
96	83.2	65.8	52.7	42.7	34.8	28.8	24.0	20.2	17.0	14.5	12.3
97	103.5	81.5	65.0	52.3	42.7	35.0	29.0	24.2	20.3	17.3	14.7
98	129.3	101.3	80.3	64.3	52.2	42.7	35.2	29.2	24.5	20.7	17.7
99	162.3	126.3	99.7	79.5	64.0	52.2	42.8	35.5	29.7	24.8	21.2
100	>200	158.2	124.2	98.5	79.0	64.0	52.3	43.2	35.8	30.0	25.3
101	>200	198.8	155.2	122.5	97.7	78.7	64.2	52.7	43.5	36.3	30.5
102	>200	>200	194.7	152.8	121.3	97.3	78.8	64.5	53.2	44.2	37.0
103	>200	>200	>200	191.7	151.3	120.8	97.3	79.2	65.0	53.8	44.8
104	>200	>200	>200	>200	189.7	150.5	120.8	97.8	80.0	65.8	54.7
105	>200	>200	>200	>200	>200	188.5	150.5	121.3	98.7	81.0	67.0
106	>200	>200	>200	>200	>200	>200	188.3	151.2	122.3	100.0	82.3
107	>200	>200	>200	>200	>200	>200	>200	189.2	152.5	124.0	101.7
108	>200	>200	>200	>200	>200	>200	>200	>200	191.0	154.7	126.2
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	193.8	157.5
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	197.8
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Sea Ice Thickness (inches)	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0
67	0.2	0	0	0	0	0	0	0	0	0	0
68	0.2	0.2	0.2	0	0	0	0	0	0	0	0
69	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0
70	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0
71	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
72	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
76	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
77	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
78	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2
79	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
80	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3
81	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3
82	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5
83	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5
84	1.5	1.3	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7
85	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7
86	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8	0.8
87	2.5	2.2	2.0	1.8	1.5	1.5	1.3	1.2	1.0	1.0	0.8
88	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0
89	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3	1.2
90	4.0	3.5	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3
91	4.7	4.2	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5
92	5.5	4.8	4.2	3.7	3.3	3.0	2.7	2.3	2.2	2.0	1.8
93	6.5	5.7	5.0	4.3	3.8	3.5	3.0	2.8	2.5	2.2	2.0
94	7.7	6.7	5.8	5.2	4.5	4.0	3.5	3.2	2.8	2.7	2.3
95	9.0	7.8	6.8	6.0	5.3	4.7	4.2	3.7	3.3	3.0	2.7
96	10.7	9.2	8.0	7.0	6.2	5.5	4.8	4.3	3.8	3.5	3.2
97	12.7	10.8	9.5	8.3	7.3	6.3	5.7	5.0	4.5	4.0	3.7
98	15.0	13.0	11.2	9.8	8.5	7.5	6.7	5.8	5.2	4.7	4.2
99	18.0	15.5	13.3	11.5	10.0	8.8	7.8	6.8	6.2	5.5	4.8
100	21.5	18.3	15.8	13.7	11.8	10.3	9.2	8.0	7.2	6.3	5.7
101	25.8	22.0	18.8	16.3	14.2	12.3	10.8	9.5	8.3	7.3	6.7
102	31.2	26.5	22.7	19.5	16.8	14.5	12.7	11.2	9.8	8.7	7.7
103	37.7	31.8	27.2	23.2	20.0	17.3	15.0	13.2	11.5	10.2	9.0
104	45.8	38.7	32.7	28.0	24.0	20.7	18.0	15.7	13.7	12.0	10.7
105	55.8	46.8	39.7	33.7	28.8	24.8	21.5	18.7	16.3	14.3	12.5
106	68.3	57.2	48.2	40.8	34.7	29.8	25.7	22.2	19.3	17.0	14.8
107	84.0	70.0	58.7	49.5	42.2	36.0	30.8	26.7	23.2	20.2	17.7
108	103.8	86.2	72.0	60.5	51.2	43.7	37.3	32.2	27.8	24.2	21.2
109	129.2	106.7	88.7	74.3	62.7	53.2	45.3	38.8	33.5	29.2	25.3
110	161.3	132.7	109.8	91.7	77.0	65.0	55.3	47.3	40.7	35.2	30.5
111	>200	166.0	137.0	113.8	95.2	80.2	67.8	57.8	49.5	42.7	37.0
112	>200	>200	171.8	142.2	118.5	99.3	83.8	71.2	60.8	52.2	45.0
113	>200	>200	>200	178.8	148.3	124.0	104.2	88.2	75.0	64.2	55.2
114	>200	>200	>200	>200	187.3	155.8	130.5	109.8	93.2	79.3	68.0
115	>200	>200	>200	>200	>200	197.5	164.7	138.2	116.5	99.0	84.5
116	>200	>200	>200	>200	>200	>200	>200	175.2	147.2	124.5	105.8
117	>200	>200	>200	>200	>200	>200	>200	>200	187.8	158.2	134.0
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	171.3
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.13. Tabular Representation of Parking Nomograph for C-17 on 16 ºF (-9 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

17 F	Gross C-17 Weight (lb)																															
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0.7	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	1.0	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0
67	1.8	1.5	1.3	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
68	2.3	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0
69	3.0	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0
70	3.7	3.0	2.5	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0
71	4.7	3.7	3.0	2.5	2.0	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
72	5.8	4.7	3.7	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73	7.5	5.8	4.7	3.8	3.2	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74	9.3	7.3	5.8	4.7	3.8	3.2	2.7	2.2	1.8	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75	11.8	9.2	7.2	5.8	4.7	3.8	3.2	2.7	2.2	1.8	1.7	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
76	15.0	11.5	9.0	7.2	5.8	4.7	3.8	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
77	19.2	14.5	11.3	8.8	7.2	5.8	4.7	3.8	3.3	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
78	24.3	18.3	14.2	11.2	8.8	7.2	5.8	4.8	4.0	3.3	2.8	2.3	2.0	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2
79	31.0	23.3	17.8	13.8	10.8	8.7	7.0	5.8	4.8	4.0	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
80	39.7	29.5	22.3	17.3	13.5	10.8	8.7	7.0	5.8	4.8	4.0	3.5	3.0	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3
81	50.8	37.5	28.2	21.7	16.8	13.3	10.7	8.7	7.2	5.8	4.8	4.2	3.5	3.0	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3
82	65.3	47.8	35.7	27.2	21.0	16.5	13.2	10.5	8.7	7.2	6.0	5.0	4.2	3.7	3.2	2.7	2.3	2.0	1.8	1.7	1.3	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5
83	84.3	61.0	45.2	34.2	26.2	20.5	16.2	13.0	10.5	8.7	7.2	6.0	5.0	4.3	3.7	3.2	2.8	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5
84	108.8	78.2	57.5	43.0	32.8	25.5	20.0	16.0	12.8	10.5	8.7	7.2	6.0	5.2	4.3	3.8	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5
85	141.0	100.3	73.2	54.3	41.2	31.7	24.8	19.7	15.8	12.8	10.5	8.7	7.3	6.2	5.2	4.5	3.8	3.3	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7
86	183.2	129.3	93.3	68.8	51.8	39.5	30.7	24.2	19.3	15.7	12.8	10.5	8.8	7.3	6.2	5.3	4.5	4.0	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.8
87	>200	167.0	119.7	87.5	65.3	49.5	38.3	30.0	23.8	19.2	15.5	12.7	10.5	8.8	7.5	6.3	5.5	4.7	4.0	3.5	3.2	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3	1.2	1.0	1.0	0.8
88	>200	>200	153.7	111.5	82.5	62.3	47.7	37.2	29.3	23.5	19.0	15.5	12.8	10.7	9.0	7.5	6.5	5.5	4.8	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0
89	>200	>200	198.0	142.5	104.7	78.5	59.7	46.2	36.2	28.8	23.2	18.8	15.5	12.8	10.7	9.0	7.7	6.5	5.7	4.8	4.3	3.7	3.3	2.8	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2
90	>200	>200	>200	182.8	133.3	99.0	74.8	57.5	44.8	35.5	28.3	23.0	18.8	15.5	12.8	10.8	9.2	7.8	6.7	5.8	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.2	2.0	1.7	1.5	1.5	1.3
91	>200	>200	>200	>200	170.2	125.5	94.3	72.0	55.8	43.8	34.8	28.0	22.8	18.7	15.5	13.0	11.0	9.3	8.0	6.8	6.0	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5
92	>200	>200	>200	>200	>200	159.5	119.0	90.2	69.5	54.3	43.0	34.3	27.8	22.7	18.8	15.7	13.2	11.2	9.5	8.2	7.0	6.0	5.3	4.7	4.2	3.7	3.2	2.8	2.5	2.3	2.2	1.8	1.7
93	>200	>200	>200	>200	>200	>200	150.7	113.5	86.8	67.3	53.0	42.2	34.0	27.7	22.7	18.8	15.8	13.3	11.3	9.7	8.3	7.2	6.2	5.5	4.8	4.2	3.8	3.3	3.0	2.7	2.3	2.2	2.0
94	>200	>200	>200	>200	>200	>200	191.3	143.2	108.8	84.0	65.7	52.0	41.7	33.8	27.7	22.8	19.0	16.0	13.5	11.5	9.8	8.5	7.3	6.5	5.7	5.0	4.3	3.8	3.5	3.2	2.8	2.5	2.3
95	>200	>200	>200	>200	>200	>200	>200	181.3	137.0	105.0	81.7	64.3	51.3	41.3	33.7	27.7	23.0	19.2	16.2	13.7	11.7	10.0	8.7	7.5	6.7	5.8	5.2	4.5	4.0	3.7	3.2	2.8	2.7
96	>200	>200	>200	>200	>200	>200	>200	>200	172.8	131.7	101.8	79.8	63.2	50.7	41.2	33.7	27.8	23.2	19.3	16.3	14.0	12.0	10.3	9.0	7.8	6.8	6.0	5.3	4.7	4.2	3.7	3.3	3.0
97	>200	>200	>200	>200	>200	>200	>200	>200	>200	165.8	127.3	99.2	78.3	62.5	50.3	41.0	33.7	28.0	23.3	19.7	16.7	14.2	12.2	10.5	9.2	8.0	7.0	6.2	5.5	4.8	4.3	3.8	3.5
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	160.0	123.8	97.2	77.2	61.8	50.2	41.0	33.8	28.2	23.7	20.0	17.0	14.5	12.5	10.8	9.5	8.3	7.3	6.3	5.7	5.0	4.5	4.0
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	155.2	121.0	95.5	76.3	61.5	50.2	41.2	34.2	28.5	24.0	20.3	17.3	14.8	12.8	11.2	9.7	8.5	7.5	6.7	5.8	5.3	4.7
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.3	151.5	118.8	94.3	75.8	61.5	50.3	41.5	34.5	29.0	24.5	20.8	17.8	15.3	13.2	11.5	10.0	8.8	7.8	6.8	6.2	5.5
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	190.2	148.5	117.3	93.7	75.7	61.5	50.7	42.0	35.0	29.5	25.0	21.3	18.2	15.7	13.7	11.8	10.3	9.2	8.2	7.2	6.3
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	186.2	146.3	116.3	93.3	75.7	62.0	51.2	42.5	35.7	30.0	25.5	21.8	18.8	16.2	14.2	12.3	10.8	9.5	8.3	7.5
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	183.3	144.8	115.7	93.3	76.0	62.5	51.8	43.2	36.3	30.7	26.2	22.5	19.3	16.7	14.5	12.8	11.2	9.8	8.8
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.3	144.2	115.7	93.8	76.7	63.3	52.7	44.0	37.2	31.5	27.0	23.2	20.0	17.3	15.2	13.3	11.7	10.3
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	180.3	144.0	116.2	94.7	77.7	64.3	53.7	45.2	38.2	32.5	27.8	23.8	20.7	18.0	15.7	13.8	12.2
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	180.2	144.7	117.3	95.8	79.0	65.7	55.0	46.3	39.2	33.5	28.7	24.8	21.5	18.7	16.3	14.3
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.0	146.0	118.8	97.5	80.7	67.2	56.5	47.7	40.5	34.7	29.8	25.7	22.3	19.5	17.2
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	182.7	148.0	121.0	99.7	82.7	69.2	58.2	49.3	42.0	36.0	31.0	26.8	23.3	20.3
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	185.5	150.8	123.7	102.2	85.2	71.3	60.2	51.2	43.7	37.5	32.3	28.0	24.5
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	189.2	154.5	127.0	105.3	88.0	74.0	62.5	53.2	45.5	39.2	33.8	29.5
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	194.0	159.0	131.2	109.2	91.3	77.0	65.3	55.7	47.7	41.2	35.7
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	164.5	136.2	113.5	95.3	80.5	68.3	58.5	50.2	43.3
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	171.2	142.2	118.8	100.0	84.7	72.0	61.7	53.0
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.2	149.2	125.0	105.3	89.3	76.2	65.3
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	188.8	157.7	132.3	111.8	95.0	81.2
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	167.7	141.0	119.3	101.5
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.7	151.5	128.3
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	194.3	164.0
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.14. Tabular Representation of Parking Nomograph for C-17 on 17 ºF (-8 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

18 F	Gross C-17 Weight (lb)																															
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0.8	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	1.2	1.0	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0
67	1.8	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
68	2.3	1.8	1.5	1.3	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
69	2.8	2.3	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
70	3.7	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
71	4.5	3.7	3.0	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
72	5.7	4.5	3.7	3.0	2.5	2.0	1.7	1.5	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73	7.2	5.7	4.5	3.7	3.0	2.5	2.0	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74	9.0	7.2	5.7	4.5	3.7	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75	11.5	8.8	7.0	5.7	4.5	3.7	3.0	2.5	2.2	1.8	1.7	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
76	14.5	11.2	8.7	7.0	5.7	4.5	3.8	3.2	2.7	2.2	1.8	1.7	1.5	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
77	18.5	14.0	11.0	8.7	6.8	5.7	4.7	3.8	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
78	23.5	17.7	13.7	10.7	8.5	6.8	5.7	4.7	3.8	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2
79	29.8	22.5	17.2	13.3	10.5	8.5	6.8	5.7	4.7	3.8	3.3	2.8	2.3	2.0	1.8	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
80	38.2	28.5	21.5	16.7	13.0	10.3	8.3	6.8	5.7	4.7	4.0	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3
81	48.8	36.0	27.2	20.8	16.2	12.8	10.3	8.3	6.8	5.7	4.8	4.0	3.5	3.0	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3
82	62.7	46.0	34.3	26.2	20.2	15.8	12.7	10.2	8.3	6.8	5.7	4.8	4.2	3.5	3.0	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5
83	80.7	58.7	43.5	32.8	25.2	19.7	15.7	12.5	10.2	8.3	7.0	5.8	4.8	4.2	3.5	3.2	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5
84	104.2	75.0	55.2	41.3	31.5	24.5	19.3	15.3	12.5	10.2	8.3	7.0	5.8	5.0	4.3	3.7	3.2	2.8	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5
85	134.8	96.2	70.2	52.2	39.5	30.5	23.8	19.0	15.2	12.3	10.2	8.5	7.0	6.0	5.0	4.3	3.7	3.2	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8	0.8	0.7	0.7
86	175.0	123.7	89.5	66.0	49.7	38.0	29.7	23.3	18.7	15.0	12.3	10.2	8.5	7.2	6.0	5.2	4.5	3.8	3.3	3.0	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7
87	>200	159.7	114.5	83.8	62.7	47.7	36.8	28.8	22.8	18.5	15.0	12.3	10.2	8.5	7.2	6.2	5.3	4.5	4.0	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8
88	>200	>200	146.8	106.8	79.2	59.8	45.8	35.7	28.2	22.5	18.3	15.0	12.3	10.3	8.7	7.3	6.2	5.3	4.7	4.0	3.5	3.2	2.7	2.5	2.2	2.0	1.7	1.5	1.3	1.3	1.2	1.0	1.0
89	>200	>200	189.2	136.3	100.3	75.2	57.3	44.3	34.8	27.7	22.3	18.2	15.0	12.3	10.3	8.7	7.5	6.3	5.5	4.8	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.2
90	>200	>200	>200	174.7	127.5	94.8	71.8	55.3	43.2	34.2	27.3	22.2	18.2	15.0	12.5	10.5	8.8	7.5	6.5	5.7	4.8	4.3	3.7	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3
91	>200	>200	>200	>200	162.5	120.2	90.3	69.0	53.5	42.2	33.5	27.0	22.0	18.2	15.0	12.5	10.7	9.0	7.7	6.7	5.7	5.0	4.3	3.8	3.3	3.0	2.7	2.5	2.2	2.0	1.8	1.7	1.5
92	>200	>200	>200	>200	>200	152.5	113.8	86.5	66.7	52.2	41.3	33.0	26.8	22.0	18.2	15.2	12.7	10.7	9.2	7.8	6.8	5.8	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.3	2.0	1.8	1.7
93	>200	>200	>200	>200	>200	194.3	144.0	108.7	83.2	64.7	51.0	40.7	32.7	26.7	22.0	18.2	15.2	12.8	10.8	9.3	8.0	7.0	6.0	5.3	4.7	4.2	3.7	3.3	2.8	2.7	2.3	2.2	2.0
94	>200	>200	>200	>200	>200	>200	182.8	137.0	104.3	80.5	63.0	50.0	40.2	32.5	26.7	22.0	18.3	15.3	13.0	11.2	9.5	8.2	7.2	6.2	5.5	4.8	4.3	3.8	3.3	3.0	2.7	2.5	2.2
95	>200	>200	>200	>200	>200	>200	>200	173.2	131.0	100.7	78.3	61.8	49.3	39.8	32.3	26.7	22.2	18.5	15.7	13.2	11.3	9.7	8.5	7.3	6.3	5.7	5.0	4.3	4.0	3.5	3.2	2.8	2.5
96	>200	>200	>200	>200	>200	>200	>200	>200	165.2	126.0	97.5	76.5	60.7	48.7	39.5	32.3	26.7	22.3	18.7	15.8	13.5	11.5	10.0	8.7	7.5	6.7	5.8	5.2	4.5	4.0	3.7	3.3	3.0
97	>200	>200	>200	>200	>200	>200	>200	>200	>200	158.5	122.0	95.2	75.0	60.0	48.3	39.5	32.5	27.0	22.5	19.0	16.2	13.8	11.8	10.2	8.8	7.8	6.8	6.0	5.3	4.7	4.2	3.8	3.3
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	153.0	118.7	93.2	74.0	59.5	48.2	39.5	32.7	27.2	22.8	19.3	16.5	14.0	12.2	10.5	9.2	8.0	7.0	6.2	5.5	4.8	4.3	4.0
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	192.7	148.5	116.0	91.7	73.2	59.2	48.2	39.7	32.8	27.5	23.2	19.7	16.8	14.3	12.5	10.8	9.5	8.3	7.3	6.5	5.7	5.2	4.5
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	186.7	144.8	113.8	90.5	72.7	59.0	48.3	40.0	33.3	27.8	23.5	20.0	17.2	14.8	12.8	11.2	9.7	8.5	7.5	6.7	6.0	5.3
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.8	142.2	112.3	89.8	72.5	59.2	48.7	40.3	33.7	28.3	24.0	20.5	17.7	15.2	13.2	11.5	10.0	8.8	7.8	7.0	6.2
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	178.0	140.0	111.3	89.5	72.7	59.5	49.2	40.8	34.3	29.0	24.7	21.0	18.2	15.7	13.7	11.8	10.5	9.2	8.2	7.2
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	175.2	138.7	110.8	89.5	73.0	60.0	49.8	41.5	35.0	29.7	25.3	21.7	18.7	16.2	14.2	12.3	10.8	9.5	8.5
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	173.3	138.0	110.8	90.0	73.7	60.8	50.7	42.3	35.8	30.3	26.0	22.3	19.3	16.7	14.7	12.8	11.3	10.0
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.5	138.0	111.3	90.8	74.7	61.8	51.7	43.3	36.7	31.3	26.8	23.0	20.0	17.3	15.2	13.3	11.8
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.3	138.5	112.3	92.0	75.8	63.0	52.8	44.5	37.8	32.3	27.7	23.8	20.7	18.0	15.8	14.0
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	173.2	139.8	113.8	93.5	77.5	64.7	54.3	45.8	39.0	33.3	28.7	24.8	21.5	18.8	16.5
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	174.8	141.7	115.8	95.5	79.3	66.3	56.0	47.3	40.3	34.7	29.8	25.8	22.5	19.7
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	177.3	144.3	118.5	98.0	81.7	68.5	57.8	49.2	42.0	36.2	31.2	27.0	23.7
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	180.8	147.8	121.8	101.0	84.5	71.0	60.2	51.2	43.8	37.7	32.7	28.3
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	185.5	152.2	125.7	104.7	87.7	73.8	62.7	53.5	45.8	39.5	34.3
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	191.3	157.3	130.5	108.8	91.5	77.3	65.7	56.2	48.3	41.7
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	198.5	163.8	136.2	113.8	95.8	81.2	69.2	59.2	51.0
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	171.5	142.8	119.8	101.0	85.8	73.2	62.8
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	180.7	150.8	126.8	107.2	91.2	77.8
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	191.7	160.5	135.2	114.3	97.5
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.0	145.0	123.0
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	185.8	157.0
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.15. Tabular Representation of Parking Nomograph for C-17 on 18 ºF (-7.5 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

Gross C-17 Weight (lb)

Sea Ice Thickness (inches)

19 F	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	1.2	1.0	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
67	1.8	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0
68	2.2	1.8	1.5	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
69	2.8	2.3	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
70	3.5	2.8	2.3	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
71	4.3	3.5	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
72	5.5	4.3	3.5	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
73	7.0	5.5	4.3	3.5	2.8	2.3	2.0	1.7	1.5	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74	8.8	6.8	5.5	4.3	3.5	3.0	2.5	2.0	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75	11.2	8.7	6.8	5.5	4.3	3.7	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76	14.0	10.8	8.5	6.7	5.3	4.5	3.7	3.0	2.5	2.2	1.8	1.7	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
77	17.8	13.5	10.5	8.3	6.7	5.5	4.5	3.7	3.2	2.7	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
78	22.7	17.2	13.2	10.3	8.2	6.7	5.5	4.5	3.7	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2
79	28.8	21.7	16.5	12.8	10.2	8.2	6.7	5.5	4.5	3.8	3.2	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
80	36.7	27.3	20.8	16.0	12.7	10.0	8.2	6.7	5.5	4.5	3.8	3.3	2.8	2.3	2.0	1.8	1.7	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3
81	47.0	34.7	26.2	20.2	15.7	12.3	10.0	8.2	6.7	5.5	4.7	3.8	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3
82	60.2	44.2	33.0	25.2	19.5	15.3	12.2	9.8	8.2	6.7	5.5	4.7	4.0	3.3	3.0	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3
83	77.3	56.2	41.7	31.5	24.3	19.0	15.0	12.2	9.8	8.2	6.7	5.7	4.8	4.0	3.5	3.0	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
84	99.7	71.8	52.8	39.7	30.3	23.7	18.7	14.8	12.0	9.8	8.2	6.8	5.7	4.8	4.2	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5
85	128.8	92.0	67.2	50.2	38.0	29.3	23.0	18.3	14.7	12.0	9.8	8.2	6.8	5.8	4.8	4.2	3.7	3.2	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7
86	167.2	118.3	85.7	63.3	47.8	36.7	28.5	22.5	18.0	14.5	11.8	9.8	8.2	6.8	5.8	5.0	4.3	3.7	3.2	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.3	1.2	1.0	1.0	0.8	0.8	0.7
87	>200	152.5	109.5	80.3	60.2	45.8	35.3	27.8	22.2	17.8	14.5	11.8	9.8	8.3	7.0	6.0	5.2	4.3	3.8	3.3	3.0	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8
88	>200	197.2	140.5	102.2	75.8	57.3	44.0	34.3	27.2	21.8	17.7	14.5	12.0	10.0	8.3	7.2	6.0	5.2	4.5	4.0	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0
89	>200	>200	180.5	130.3	96.0	72.2	55.0	42.7	33.5	26.7	21.5	17.5	14.5	12.0	10.0	8.5	7.2	6.2	5.3	4.7	4.0	3.5	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0
90	>200	>200	>200	166.8	122.0	90.8	69.0	53.2	41.5	32.8	26.3	21.3	17.5	14.5	12.0	10.2	8.7	7.3	6.3	5.5	4.7	4.2	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2
91	>200	>200	>200	>200	155.3	115.0	86.5	66.2	51.5	40.5	32.3	26.0	21.2	17.5	14.5	12.2	10.3	8.7	7.5	6.5	5.5	4.8	4.3	3.7	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.5
92	>200	>200	>200	>200	198.5	145.8	109.0	82.8	64.0	50.0	39.7	31.8	25.8	21.2	17.5	14.7	12.3	10.3	8.8	7.7	6.5	5.7	5.0	4.3	3.8	3.5	3.0	2.7	2.5	2.2	2.0	1.8	1.7
93	>200	>200	>200	>200	>200	185.5	137.8	104.0	79.8	62.2	49.0	39.0	31.5	25.7	21.2	17.5	14.7	12.5	10.5	9.0	7.8	6.7	5.8	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.3	2.0	1.8
94	>200	>200	>200	>200	>200	>200	174.7	131.0	99.8	77.3	60.5	48.0	38.7	31.3	25.7	21.2	17.7	14.8	12.7	10.7	9.2	8.0	6.8	6.0	5.3	4.7	4.2	3.7	3.3	3.0	2.7	2.3	2.2
95	>200	>200	>200	>200	>200	>200	>200	165.7	125.3	96.3	75.2	59.3	47.3	38.2	31.2	25.7	21.3	17.8	15.0	12.8	11.0	9.5	8.2	7.2	6.2	5.5	4.8	4.3	3.8	3.3	3.0	2.7	2.5
96	>200	>200	>200	>200	>200	>200	>200	>200	158.0	120.7	93.5	73.3	58.3	46.8	38.0	31.2	25.8	21.5	18.0	15.3	13.0	11.2	9.7	8.3	7.3	6.3	5.7	5.0	4.5	4.0	3.5	3.2	2.8
97	>200	>200	>200	>200	>200	>200	>200	>200	199.7	151.7	116.8	91.2	72.0	57.7	46.5	38.0	31.2	26.0	21.7	18.3	15.5	13.3	11.5	9.8	8.7	7.5	6.7	5.8	5.2	4.7	4.2	3.7	3.3
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	191.2	146.3	113.7	89.3	71.0	57.0	46.3	38.0	31.3	26.2	22.0	18.7	15.8	13.7	11.7	10.2	8.8	7.8	6.8	6.0	5.3	4.8	4.3	3.8
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	184.2	142.0	111.0	87.8	70.3	56.8	46.3	38.2	31.7	26.5	22.3	19.0	16.2	14.0	12.0	10.5	9.2	8.0	7.0	6.3	5.5	5.0	4.5
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	178.3	138.7	109.0	86.8	69.8	56.7	46.5	38.5	32.0	26.8	22.7	19.3	16.5	14.3	12.3	10.8	9.5	8.3	7.3	6.5	5.8	5.2
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	173.8	136.0	107.7	86.2	69.7	56.8	46.8	38.8	32.5	27.3	23.2	19.8	17.0	14.7	12.8	11.2	9.8	8.7	7.7	6.7	6.0
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	170.2	134.0	106.7	85.8	69.7	57.2	47.2	39.3	33.0	27.8	23.7	20.3	17.5	15.2	13.2	11.5	10.2	9.0	7.8	7.0
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	167.5	132.7	106.3	85.8	70.2	57.7	47.8	40.0	33.7	28.5	24.3	20.8	18.0	15.7	13.7	12.0	10.5	9.3	8.2
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	165.8	132.0	106.3	86.3	70.7	58.5	48.7	40.8	34.5	29.3	25.0	21.5	18.7	16.2	14.2	12.3	11.0	9.7
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	164.8	132.0	106.7	87.0	71.7	59.3	49.7	41.7	35.3	30.2	25.8	22.3	19.3	16.8	14.7	12.8	11.3
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	164.8	132.7	107.7	88.2	72.8	60.7	50.8	42.8	36.3	31.0	26.7	23.0	20.0	17.5	15.3	13.5
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	165.5	133.8	109.2	89.7	74.3	62.0	52.2	44.2	37.5	32.2	27.7	24.0	20.8	18.2	16.0
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	167.2	135.7	111.0	91.7	76.2	63.8	53.8	45.7	38.8	33.3	28.8	25.0	21.7	19.0
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	169.7	138.2	113.5	94.0	78.3	65.8	55.7	47.3	40.5	34.8	30.0	26.2	22.8
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	173.0	141.5	116.7	96.8	81.0	68.2	57.8	49.2	42.2	36.3	31.5	27.3
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	177.5	145.7	120.5	100.3	84.2	71.0	60.3	51.5	44.2	38.2	33.0
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	183.0	150.7	125.0	104.3	87.7	74.2	63.2	54.0	46.5	40.2
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	189.8	156.7	130.3	109.2	92.0	78.0	66.5	57.0	49.0
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	198.2	164.0	136.8	114.8	97.0	82.3	70.3	60.3
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.8	144.5	121.5	102.8	87.5	74.8
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	183.3	153.5	129.3	109.7	93.5
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	196.2	164.5	138.8	117.8
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	177.8	150.3
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	194.0
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.16. Tabular Representation of Parking Nomograph for C-17 on 19 ºF (-7 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

20 F	Gross C-17 Weight (lb)																															
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	1.2	0.8	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	1.3	1.2	1.0	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
67	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0
68	2.2	1.8	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
69	2.7	2.2	1.8	1.5	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
70	3.3	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
71	4.3	3.3	2.8	2.3	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
72	5.3	4.3	3.5	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
73	6.7	5.3	4.2	3.5	2.8	2.3	2.0	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74	8.5	6.7	5.3	4.3	3.5	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75	10.7	8.3	6.5	5.3	4.3	3.5	2.8	2.5	2.0	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76	13.5	10.5	8.2	6.5	5.2	4.3	3.5	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
77	17.2	13.2	10.2	8.0	6.5	5.2	4.3	3.5	3.0	2.5	2.2	1.8	1.7	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
78	21.8	16.5	12.7	10.0	8.0	6.5	5.3	4.3	3.7	3.0	2.7	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2
79	27.7	20.8	16.0	12.5	9.8	7.8	6.5	5.3	4.3	3.7	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
80	35.3	26.3	20.0	15.5	12.2	9.7	7.8	6.5	5.3	4.5	3.7	3.2	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
81	45.0	33.3	25.2	19.3	15.2	12.0	9.7	7.8	6.5	5.3	4.5	3.8	3.2	2.8	2.3	2.2	1.8	1.7	1.3	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3
82	57.7	42.3	31.7	24.2	18.8	14.8	11.8	9.5	7.8	6.5	5.3	4.5	3.8	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3
83	74.2	54.0	40.2	30.3	23.3	18.3	14.5	11.7	9.5	7.8	6.5	5.5	4.7	4.0	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
84	95.5	68.8	50.8	38.2	29.2	22.7	18.0	14.3	11.7	9.5	7.8	6.5	5.5	4.7	4.0	3.5	3.0	2.7	2.3	2.0	1.8	1.5	1.3	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5
85	123.3	88.2	64.5	48.2	36.5	28.3	22.2	17.7	14.2	11.5	9.5	7.8	6.7	5.7	4.8	4.2	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7
86	159.7	113.2	82.2	60.8	45.8	35.2	27.5	21.7	17.3	14.0	11.5	9.5	8.0	6.7	5.7	4.8	4.2	3.7	3.2	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8	0.8	0.7
87	>200	145.7	104.8	77.0	57.7	44.0	34.0	26.7	21.3	17.2	14.0	11.5	9.5	8.0	6.8	5.8	5.0	4.3	3.7	3.2	2.8	2.5	2.2	2.0	1.8	1.5	1.5	1.3	1.2	1.0	1.0	0.8	0.8
88	>200	188.2	134.3	97.8	72.8	55.0	42.3	33.0	26.2	21.0	17.0	14.0	11.5	9.7	8.2	6.8	5.8	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0
89	>200	>200	172.5	124.7	92.0	69.2	52.8	41.0	32.3	25.7	20.7	16.8	14.0	11.5	9.7	8.2	7.0	6.0	5.2	4.5	3.8	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3	1.2	1.0
90	>200	>200	>200	159.3	116.7	87.2	66.2	51.0	39.8	31.7	25.3	20.5	16.8	14.0	11.7	9.8	8.3	7.2	6.2	5.3	4.7	4.0	3.5	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2
91	>200	>200	>200	>200	148.5	110.0	83.0	63.5	49.3	39.0	31.0	25.0	20.5	16.8	14.0	11.7	10.0	8.5	7.2	6.2	5.3	4.7	4.2	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3
92	>200	>200	>200	>200	189.5	139.3	104.3	79.5	61.3	48.2	38.2	30.7	24.8	20.3	16.8	14.2	11.8	10.0	8.7	7.3	6.3	5.5	4.8	4.3	3.8	3.3	3.0	2.7	2.3	2.2	2.0	1.7	1.7
93	>200	>200	>200	>200	>200	177.2	131.8	99.7	76.5	59.7	47.0	37.5	30.3	24.8	20.3	17.0	14.2	12.0	10.2	8.7	7.5	6.5	5.7	5.0	4.3	3.8	3.5	3.0	2.8	2.5	2.2	2.0	1.8
94	>200	>200	>200	>200	>200	>200	166.8	125.3	95.7	74.2	58.2	46.2	37.2	30.2	24.7	20.5	17.0	14.3	12.2	10.3	9.0	7.7	6.7	5.8	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.3	2.2
95	>200	>200	>200	>200	>200	>200	>200	158.3	120.0	92.3	72.0	57.0	45.5	36.8	30.0	24.8	20.5	17.2	14.5	12.3	10.7	9.2	7.8	6.8	6.0	5.3	4.7	4.2	3.7	3.3	3.0	2.7	2.3
96	>200	>200	>200	>200	>200	>200	>200	>200	151.0	115.5	89.7	70.5	56.0	45.0	36.7	30.0	24.8	20.7	17.5	14.8	12.7	10.8	9.3	8.2	7.0	6.2	5.5	4.8	4.3	3.8	3.5	3.2	2.8
97	>200	>200	>200	>200	>200	>200	>200	>200	190.8	145.0	111.8	87.3	69.2	55.3	44.7	36.5	30.2	25.0	21.0	17.7	15.0	12.8	11.0	9.5	8.3	7.3	6.3	5.7	5.0	4.5	4.0	3.5	3.2
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	182.7	140.0	108.8	85.7	68.2	54.8	44.5	36.5	30.3	25.2	21.2	18.0	15.3	13.2	11.3	9.8	8.5	7.5	6.7	5.8	5.2	4.7	4.2	3.7
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	176.0	136.0	106.3	84.2	67.5	54.5	44.5	36.7	30.5	25.5	21.5	18.3	15.7	13.5	11.7	10.2	8.8	7.8	6.8	6.0	5.3	4.8	4.3
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	170.5	132.7	104.5	83.2	67.0	54.5	44.7	37.0	30.8	26.0	22.0	18.7	16.0	13.8	12.0	10.5	9.2	8.0	7.2	6.3	5.7	5.0
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	166.2	130.2	103.2	82.7	66.8	54.7	45.0	37.3	31.3	26.3	22.3	19.2	16.5	14.2	12.3	10.8	9.5	8.3	7.3	6.5	5.8
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	162.7	128.3	102.2	82.3	67.0	54.8	45.5	37.8	31.8	26.8	22.8	19.7	16.8	14.7	12.7	11.2	9.8	8.7	7.7	6.8
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	160.2	127.0	101.8	82.3	67.3	55.5	46.0	38.5	32.5	27.5	23.5	20.2	17.3	15.2	13.2	11.5	10.2	9.0	8.0
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	158.5	126.5	101.8	82.8	67.8	56.2	46.8	39.3	33.2	28.2	24.2	20.8	18.0	15.7	13.7	12.0	10.5	9.3
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	198.8	157.7	126.3	102.3	83.5	68.8	57.0	47.7	40.2	34.0	29.0	24.8	21.5	18.7	16.2	14.2	12.5	11.0
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	197.7	157.7	127.0	103.2	84.7	69.8	58.2	48.8	41.2	35.0	30.0	25.7	22.2	19.3	16.8	14.8	13.0
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	197.7	158.3	128.2	104.5	86.0	71.3	59.7	50.2	42.5	36.2	31.0	26.7	23.2	20.2	17.5	15.5
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	198.7	159.8	129.8	106.5	87.8	73.2	61.3	51.7	43.8	37.5	32.2	27.8	24.0	21.0	18.3
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	162.2	132.3	108.8	90.2	75.2	63.2	53.5	45.5	38.8	33.5	29.0	25.2	22.0
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	165.5	135.5	111.8	92.8	77.7	65.5	55.5	47.3	40.7	35.0	30.3	26.3
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	169.7	139.3	115.3	96.2	80.7	68.2	57.8	49.5	42.5	36.7	31.8
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	175.0	144.2	119.7	100.0	84.2	71.2	60.7	52.0	44.7	38.7
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.5	150.0	124.8	104.7	88.2	74.8	63.8	54.7	47.2
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	189.3	157.0	131.0	110.0	93.0	79.0	67.5	58.0
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	199.0	165.3	138.3	116.3	98.5	83.8	71.8
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	175.3	147.0	124.0	105.2	89.7
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	187.5	157.5	133.0	113.0
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	170.0	143.8
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	185.5
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.17. Tabular Representation of Parking Nomograph for C-17 on 20 ºF (-6.5 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

21 F	Gross C-17 Weight (lb)																																
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	1.3	1.2	1.0	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
67	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0
68	2.2	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
69	2.7	2.2	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
70	3.3	2.7	2.2	1.8	1.5	1.3	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
71	4.2	3.3	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
72	5.2	4.2	3.3	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
73	6.5	5.2	4.2	3.3	2.7	2.3	1.8	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74	8.2	6.5	5.2	4.2	3.3	2.8	2.3	2.0	1.7	1.5	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75	10.3	8.0	6.3	5.2	4.2	3.3	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76	13.0	10.0	7.8	6.3	5.2	4.2	3.5	2.8	2.5	2.0	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
77	16.5	12.7	9.8	7.8	6.3	5.2	4.2	3.5	2.8	2.5	2.2	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
78	21.0	15.8	12.3	9.7	7.7	6.2	5.2	4.2	3.5	3.0	2.5	2.2	1.8	1.7	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
79	26.7	20.0	15.3	12.0	9.5	7.7	6.2	5.2	4.3	3.5	3.0	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
80	33.8	25.3	19.3	15.0	11.8	9.3	7.7	6.2	5.2	4.3	3.7	3.0	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
81	43.3	32.0	24.2	18.7	14.7	11.7	9.3	7.5	6.2	5.2	4.3	3.7	3.2	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3
82	55.3	40.7	30.5	23.3	18.2	14.3	11.5	9.3	7.5	6.3	5.2	4.3	3.7	3.2	2.8	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3
83	71.0	51.8	38.5	29.2	22.5	17.7	14.0	11.3	9.2	7.5	6.3	5.3	4.5	3.8	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
84	91.3	66.0	48.8	36.7	28.2	21.8	17.3	13.8	11.2	9.2	7.7	6.3	5.3	4.5	3.8	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5
85	117.8	84.5	61.8	46.2	35.2	27.2	21.3	17.0	13.7	11.2	9.2	7.7	6.3	5.5	4.7	4.0	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7
86	152.5	108.3	78.7	58.3	44.0	33.8	26.3	20.8	16.7	13.5	11.2	9.2	7.7	6.5	5.5	4.7	4.0	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7
87	197.8	139.3	100.3	73.8	55.3	42.2	32.7	25.8	20.5	16.5	13.5	11.2	9.3	7.8	6.5	5.7	4.8	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.3	1.2	1.0	1.0	0.8	0.8
88	>200	179.7	128.3	93.7	69.7	52.8	40.7	31.8	25.2	20.2	16.3	13.5	11.2	9.3	7.8	6.7	5.7	4.8	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8
89	>200	>200	164.7	119.3	88.2	66.3	50.7	39.5	31.0	24.8	20.0	16.3	13.5	11.2	9.3	8.0	6.8	5.8	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0
90	>200	>200	>200	152.3	111.7	83.5	63.5	49.0	38.3	30.5	24.5	19.8	16.3	13.5	11.3	9.5	8.0	6.8	6.0	5.2	4.5	3.8	3.5	3.0	2.7	2.3	2.2	2.0	1.7	1.5	1.5	1.3	1.2
91	>200	>200	>200	195.0	142.0	105.3	79.5	61.0	47.5	37.5	29.8	24.2	19.7	16.3	13.5	11.3	9.7	8.2	7.0	6.0	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3
92	>200	>200	>200	>200	181.0	133.3	100.0	76.2	59.0	46.2	36.7	29.5	24.0	19.7	16.3	13.7	11.5	9.7	8.3	7.2	6.2	5.3	4.7	4.2	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5
93	>200	>200	>200	>200	>200	169.3	126.0	95.5	73.3	57.2	45.2	36.2	29.2	23.8	19.7	16.3	13.7	11.7	9.8	8.5	7.3	6.3	5.5	4.8	4.3	3.8	3.3	3.0	2.7	2.3	2.2	2.0	1.8
94	>200	>200	>200	>200	>200	>200	159.5	120.0	91.7	71.0	55.8	44.3	35.7	29.0	23.8	19.7	16.5	13.8	11.8	10.0	8.7	7.5	6.5	5.7	5.0	4.3	3.8	3.5	3.2	2.8	2.5	2.3	2.0
95	>200	>200	>200	>200	>200	>200	>200	151.3	114.8	88.5	69.2	54.7	43.8	35.3	29.0	23.8	19.8	16.7	14.0	12.0	10.2	8.8	7.7	6.7	5.8	5.2	4.5	4.0	3.7	3.2	2.8	2.7	2.3
96	>200	>200	>200	>200	>200	>200	>200	191.5	144.3	110.5	85.8	67.5	53.8	43.3	35.2	28.8	24.0	20.0	16.8	14.3	12.2	10.5	9.0	7.8	6.8	6.0	5.3	4.7	4.2	3.7	3.3	3.0	2.7
97	>200	>200	>200	>200	>200	>200	>200	>200	182.2	138.7	107.0	83.7	66.3	53.2	43.0	35.2	29.0	24.2	20.2	17.0	14.5	12.5	10.7	9.3	8.0	7.0	6.2	5.5	4.8	4.3	3.8	3.5	3.2
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	174.5	134.0	104.2	82.0	65.3	52.7	42.8	35.2	29.2	24.3	20.5	17.3	14.8	12.7	11.0	9.5	8.3	7.3	6.3	5.7	5.0	4.5	4.0	3.7
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.2	130.0	101.8	80.7	64.7	52.3	42.8	35.3	29.3	24.7	20.8	17.7	15.2	13.0	11.3	9.8	8.5	7.5	6.7	5.8	5.2	4.7	4.2
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	163.0	127.0	100.2	79.8	64.3	52.3	43.0	35.7	29.7	25.0	21.2	18.0	15.5	13.3	11.5	10.2	8.8	7.8	6.8	6.2	5.5	4.8
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	158.8	124.5	98.8	79.2	64.2	52.5	43.3	36.0	30.2	25.3	21.7	18.5	15.8	13.7	12.0	10.5	9.2	8.0	7.2	6.3	5.7
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	199.5	155.5	122.8	98.0	79.0	64.3	52.8	43.7	36.5	30.7	26.0	22.2	19.0	16.3	14.2	12.3	10.8	9.5	8.3	7.5	6.7
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.2	153.2	121.7	97.5	79.0	64.7	53.2	44.2	37.0	31.2	26.5	22.7	19.5	16.8	14.7	12.7	11.2	9.8	8.7	7.7
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	192.0	151.7	121.0	97.5	79.3	65.2	54.0	45.0	37.8	32.0	27.2	23.3	20.0	17.3	15.2	13.2	11.7	10.2	9.0
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	190.0	150.8	121.0	98.0	80.2	66.0	54.8	45.8	38.7	32.8	28.0	24.0	20.7	18.0	15.7	13.7	12.0	10.7
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	188.8	150.8	121.5	98.8	81.2	67.2	56.0	47.0	39.7	33.7	28.8	24.8	21.5	18.7	16.3	14.3	12.7
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	188.8	151.5	122.7	100.2	82.5	68.5	57.3	48.2	40.8	34.8	29.8	25.7	22.3	19.3	17.0	14.8
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	189.8	153.0	124.3	102.0	84.3	70.2	58.8	49.7	42.2	36.0	31.0	26.7	23.2	20.2	17.7
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	191.7	155.2	126.7	104.2	86.5	72.2	60.7	51.3	43.7	37.5	32.2	27.8	24.3	21.2
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	194.8	158.3	129.7	107.0	89.0	74.7	62.8	53.3	45.5	39.0	33.7	29.2	25.5
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	199.0	162.3	133.5	110.5	92.2	77.5	65.5	55.7	47.5	40.8	35.3	30.7
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	167.3	138.0	114.7	95.8	80.7	68.3	58.3	49.8	43.0	37.2
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	173.5	143.5	119.5	100.3	84.7	71.8	61.3	52.7	45.3
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.0	150.2	125.5	105.5	89.2	75.8	64.8	55.7
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	190.2	158.2	132.3	111.5	94.5	80.5	69.0
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	167.7	140.7	118.7	100.8	86.0
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.3	150.7	127.3	108.3
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	193.3	162.7	137.7
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	177.3
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.18. Tabular Representation of Parking Nomograph for C-17 on 21 ºF (-6 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

22 F	Gross C-17 Weight (lb)																															
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	1.3	1.0	0.8	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
67	1.7	1.3	1.2	1.0	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0
68	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
69	2.5	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0
70	3.2	2.5	2.2	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0
71	4.0	3.2	2.7	2.2	1.8	1.5	1.3	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0
72	5.0	4.0	3.2	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
73	6.3	5.0	4.0	3.2	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74	8.0	6.2	5.0	4.0	3.3	2.7	2.3	1.8	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75	10.0	7.8	6.2	5.0	4.0	3.3	2.7	2.3	2.0	1.7	1.5	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76	12.7	9.7	7.7	6.2	5.0	4.0	3.3	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
77	16.0	12.2	9.5	7.5	6.0	5.0	4.0	3.3	2.8	2.3	2.0	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
78	20.2	15.3	11.8	9.3	7.5	6.0	5.0	4.2	3.3	2.8	2.5	2.2	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
79	25.7	19.3	14.8	11.7	9.2	7.3	6.0	5.0	4.2	3.5	3.0	2.5	2.2	1.8	1.7	1.5	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
80	32.5	24.3	18.7	14.5	11.3	9.2	7.3	6.0	5.0	4.2	3.5	3.0	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
81	41.5	30.8	23.3	18.0	14.2	11.2	9.0	7.3	6.0	5.0	4.2	3.5	3.0	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3
82	53.2	39.2	29.3	22.5	17.5	13.8	11.0	9.0	7.3	6.0	5.0	4.3	3.7	3.2	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3
83	68.0	49.7	37.0	28.2	21.7	17.0	13.5	11.0	8.8	7.3	6.2	5.2	4.3	3.7	3.2	2.8	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5
84	87.5	63.3	46.8	35.3	27.0	21.2	16.7	13.3	10.8	8.8	7.3	6.2	5.2	4.3	3.8	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5
85	112.7	80.8	59.3	44.3	33.8	26.2	20.5	16.3	13.2	10.8	8.8	7.3	6.2	5.3	4.5	3.8	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7
86	145.7	103.5	75.3	56.0	42.3	32.5	25.5	20.2	16.2	13.2	10.8	8.8	7.5	6.3	5.3	4.5	4.0	3.3	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7
87	188.8	133.0	96.0	70.7	53.2	40.7	31.5	24.8	19.8	16.0	13.0	10.8	9.0	7.5	6.3	5.5	4.7	4.0	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.8
88	>200	171.5	122.7	89.7	66.8	50.7	39.2	30.7	24.3	19.5	15.8	13.0	10.8	9.0	7.7	6.5	5.5	4.8	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.3	1.2	1.0	1.0	0.8
89	>200	>200	157.3	114.0	84.3	63.7	48.7	37.8	29.8	23.8	19.3	15.7	13.0	10.8	9.0	7.7	6.5	5.7	4.8	4.2	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0
90	>200	>200	>200	145.5	106.8	80.0	60.8	47.0	36.8	29.3	23.5	19.2	15.7	13.0	10.8	9.2	7.8	6.7	5.7	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3	1.2
91	>200	>200	>200	186.2	135.7	100.8	76.2	58.5	45.7	36.0	28.8	23.3	19.0	15.7	13.0	11.0	9.3	7.8	6.8	5.8	5.2	4.5	3.8	3.5	3.0	2.7	2.5	2.2	2.0	1.8	1.7	1.5	1.3
92	>200	>200	>200	>200	172.8	127.5	95.7	73.0	56.5	44.3	35.3	28.3	23.2	19.0	15.7	13.2	11.2	9.3	8.0	7.0	6.0	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5
93	>200	>200	>200	>200	>200	161.7	120.5	91.3	70.3	55.0	43.5	34.8	28.2	23.0	19.0	15.8	13.3	11.2	9.5	8.2	7.0	6.2	5.3	4.7	4.2	3.7	3.3	2.8	2.7	2.3	2.2	1.8	1.7
94	>200	>200	>200	>200	>200	>200	152.3	114.8	87.8	68.2	53.7	42.7	34.3	28.0	23.0	19.0	15.8	13.3	11.3	9.7	8.3	7.2	6.3	5.5	4.8	4.3	3.8	3.3	3.0	2.7	2.5	2.2	2.0
95	>200	>200	>200	>200	>200	>200	193.3	144.7	109.8	84.8	66.3	52.5	42.0	34.0	27.8	23.0	19.2	16.0	13.5	11.5	9.8	8.5	7.3	6.5	5.7	5.0	4.3	4.0	3.5	3.2	2.8	2.5	2.3
96	>200	>200	>200	>200	>200	>200	>200	182.8	138.0	105.8	82.3	64.8	51.7	41.7	33.8	27.8	23.0	19.3	16.3	13.8	11.8	10.2	8.7	7.7	6.7	5.8	5.2	4.5	4.0	3.7	3.2	3.0	2.7
97	>200	>200	>200	>200	>200	>200	>200	>200	174.0	132.7	102.5	80.3	63.7	51.0	41.3	33.8	27.8	23.2	19.5	16.5	14.0	12.0	10.3	9.0	7.8	6.8	6.0	5.3	4.7	4.2	3.8	3.3	3.0
98	>200	>200	>200	>200	>200	>200	>200	>200	>200	166.7	128.2	99.8	78.7	62.7	50.5	41.2	33.8	28.0	23.5	19.7	16.7	14.3	12.3	10.7	9.2	8.0	7.0	6.2	5.5	4.8	4.3	3.8	3.5
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	160.7	124.3	97.5	77.3	62.2	50.3	41.2	34.0	28.3	23.7	20.0	17.0	14.7	12.5	10.8	9.5	8.3	7.3	6.5	5.7	5.0	4.5	4.0
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	155.8	121.5	95.8	76.5	61.7	50.3	41.3	34.2	28.7	24.0	20.3	17.3	15.0	12.8	11.2	9.8	8.5	7.5	6.7	6.0	5.3	4.7
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.8	151.8	119.2	94.7	76.0	61.5	50.3	41.7	34.7	29.0	24.5	20.8	17.8	15.3	13.3	11.5	10.0	8.8	7.8	6.8	6.2	5.5
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	190.5	148.7	117.5	93.8	75.7	61.7	50.7	42.0	35.0	29.5	25.0	21.3	18.3	15.8	13.7	11.8	10.5	9.2	8.2	7.2	6.3
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	186.5	146.5	116.3	93.5	75.8	62.0	51.2	42.5	35.7	30.2	25.5	21.8	18.8	16.2	14.2	12.3	10.8	9.5	8.5	7.5
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	183.5	145.0	115.8	93.5	76.2	62.5	51.8	43.2	36.3	30.8	26.2	22.5	19.3	16.8	14.7	12.8	11.2	9.8	8.8
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.5	144.3	115.8	93.8	76.8	63.3	52.7	44.2	37.2	31.5	27.0	23.2	20.0	17.3	15.2	13.3	11.7	10.3
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	180.5	144.2	116.3	94.7	77.8	64.3	53.7	45.2	38.2	32.5	27.8	24.0	20.7	18.0	15.7	13.8	12.2
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	180.5	144.8	117.5	96.0	79.2	65.7	55.0	46.3	39.3	33.5	28.8	24.8	21.5	18.7	16.3	14.3
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.3	146.3	119.0	97.7	80.8	67.3	56.5	47.7	40.7	34.7	29.8	25.8	22.3	19.5	17.2
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	183.2	148.5	121.3	99.8	82.8	69.3	58.3	49.3	42.0	36.0	31.0	26.8	23.3	20.5
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	186.2	151.3	124.2	102.7	85.3	71.7	60.3	51.3	43.8	37.7	32.5	28.2	24.5
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	190.2	155.2	127.7	105.8	88.3	74.3	62.8	53.5	45.7	39.3	34.0	29.5
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.3	160.0	132.0	109.8	92.0	77.5	65.7	56.0	48.0	41.3	35.8
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	166.0	137.3	114.5	96.2	81.2	69.0	58.8	50.5	43.7
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	173.2	143.7	120.2	101.0	85.5	72.8	62.3	53.5
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.8	151.3	126.8	106.8	90.7	77.2	66.2
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	192.3	160.5	134.7	113.7	96.7	82.5
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	171.5	144.2	122.0	103.8
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	184.8	155.7	131.8
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	169.7
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

Figure A4.19. Tabular Representation of Parking Nomograph for C-17 on 22 ºF (-5.5 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

23 F	Gross C-17 Weight (lb)																															
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0.8	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	1.2	1.0	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
68	1.8	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0
69	2.2	1.8	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
70	2.7	2.2	1.8	1.5	1.3	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
71	3.5	2.8	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
72	4.3	3.5	2.8	2.3	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
73	5.3	4.2	3.5	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
74	6.7	5.3	4.2	3.5	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75	8.3	6.5	5.2	4.2	3.5	2.8	2.3	2.0	1.7	1.5	1.2	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76	10.5	8.2	6.5	5.2	4.2	3.5	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77	13.3	10.2	8.0	6.3	5.2	4.2	3.5	2.8	2.5	2.0	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
78	16.7	12.8	10.0	7.8	6.3	5.2	4.2	3.5	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
79	21.2	16.0	12.3	9.7	7.8	6.3	5.2	4.2	3.5	3.0	2.5	2.2	1.8	1.7	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
80	26.7	20.2	15.5	12.0	9.5	7.7	6.2	5.2	4.3	3.5	3.0	2.7	2.2	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
81	33.8	25.3	19.3	15.0	11.8	9.3	7.7	6.2	5.2	4.3	3.7	3.0	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
82	43.2	32.0	24.2	18.7	14.5	11.5	9.3	7.5	6.2	5.2	4.3	3.7	3.2	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3
83	55.0	40.3	30.3	23.2	18.0	14.2	11.3	9.2	7.5	6.2	5.2	4.3	3.7	3.2	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3
84	70.2	51.2	38.2	29.0	22.3	17.5	14.0	11.2	9.2	7.5	6.3	5.2	4.5	3.8	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
85	90.0	65.2	48.2	36.2	27.8	21.7	17.2	13.7	11.2	9.2	7.5	6.3	5.3	4.5	3.8	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5
86	115.7	83.0	60.8	45.5	34.7	26.8	21.0	16.7	13.5	11.0	9.0	7.5	6.3	5.3	4.5	4.0	3.3	3.0	2.5	2.3	2.0	1.8	1.5	1.3	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7
87	149.2	106.0	77.0	57.2	43.2	33.2	26.0	20.5	16.5	13.3	11.0	9.0	7.5	6.3	5.5	4.7	4.0	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7
88	192.8	135.8	98.0	72.2	54.2	41.3	32.0	25.2	20.2	16.2	13.2	11.0	9.2	7.7	6.5	5.5	4.7	4.0	3.5	3.2	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8	0.8
89	>200	174.7	125.0	91.3	68.0	51.5	39.7	31.2	24.7	19.8	16.0	13.2	11.0	9.2	7.7	6.5	5.7	4.8	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.8	1.5	1.5	1.3	1.2	1.0	1.0	0.8
90	>200	>200	159.8	115.8	85.7	64.5	49.3	38.3	30.3	24.2	19.5	16.0	13.2	11.0	9.2	7.8	6.7	5.7	4.8	4.3	3.7	3.3	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0
91	>200	>200	>200	147.5	108.2	81.0	61.5	47.5	37.3	29.7	23.8	19.3	15.8	13.2	11.0	9.3	7.8	6.7	5.8	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3	1.2
92	>200	>200	>200	188.3	137.2	101.8	77.0	59.2	46.0	36.3	29.0	23.5	19.2	15.8	13.2	11.0	9.3	8.0	6.8	5.8	5.2	4.5	4.0	3.5	3.0	2.7	2.5	2.2	2.0	1.8	1.7	1.5	1.3
93	>200	>200	>200	>200	174.3	128.5	96.5	73.7	57.0	44.8	35.7	28.7	23.3	19.2	15.8	13.2	11.2	9.5	8.2	7.0	6.0	5.2	4.7	4.0	3.5	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5
94	>200	>200	>200	>200	>200	162.8	121.3	92.0	70.8	55.3	43.7	35.0	28.3	23.2	19.2	15.8	13.3	11.3	9.7	8.2	7.2	6.2	5.3	4.7	4.2	3.7	3.3	3.0	2.7	2.3	2.2	1.8	1.7
95	>200	>200	>200	>200	>200	>200	153.2	115.3	88.2	68.5	53.8	42.8	34.5	28.0	23.0	19.2	16.0	13.5	11.5	9.8	8.3	7.3	6.3	5.5	4.8	4.3	3.8	3.3	3.0	2.7	2.5	2.2	2.0
96	>200	>200	>200	>200	>200	>200	194.0	145.2	110.3	85.0	66.5	52.7	42.2	34.2	28.0	23.0	19.2	16.2	13.7	11.7	10.0	8.5	7.5	6.5	5.7	5.0	4.5	4.0	3.5	3.2	2.8	2.5	2.3
97	>200	>200	>200	>200	>200	>200	>200	183.2	138.3	106.0	82.5	65.0	51.7	41.7	34.0	27.8	23.2	19.3	16.3	13.8	11.8	10.2	8.8	7.7	6.7	5.8	5.2	4.5	4.0	3.7	3.3	3.0	2.7
98	>200	>200	>200	>200	>200	>200	>200	>200	174.2	132.7	102.5	80.3	63.7	51.0	41.3	33.8	28.0	23.2	19.5	16.5	14.0	12.0	10.3	9.0	7.8	6.8	6.0	5.3	4.7	4.2	3.8	3.3	3.0
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	166.7	128.0	99.7	78.7	62.7	50.5	41.2	33.8	28.0	23.5	19.7	16.7	14.3	12.3	10.7	9.2	8.0	7.0	6.2	5.5	4.8	4.3	3.8	3.5
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	160.5	124.2	97.5	77.3	62.0	50.3	41.2	34.0	28.3	23.7	20.0	17.0	14.5	12.5	10.8	9.5	8.3	7.3	6.5	5.7	5.0	4.5	4.0
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	155.3	121.2	95.7	76.3	61.7	50.2	41.2	34.2	28.5	24.0	20.3	17.3	14.8	12.8	11.2	9.7	8.5	7.5	6.7	5.8	5.3	4.7
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.2	151.3	118.8	94.3	75.8	61.5	50.3	41.5	34.5	29.0	24.5	20.8	17.8	15.3	13.2	11.5	10.0	8.8	7.8	6.8	6.2	5.5
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	189.8	148.2	117.2	93.5	75.5	61.5	50.5	41.8	35.0	29.3	24.8	21.2	18.2	15.7	13.7	11.8	10.3	9.2	8.0	7.2	6.3
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	185.7	146.0	116.0	93.2	75.5	61.8	51.0	42.3	35.5	30.0	25.5	21.8	18.7	16.2	14.0	12.3	10.8	9.5	8.3	7.5
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	182.7	144.5	115.5	93.2	75.8	62.3	51.7	43.2	36.2	30.7	26.2	22.3	19.3	16.7	14.5	12.7	11.2	9.8	8.7
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	180.8	143.7	115.5	93.5	76.5	63.2	52.5	44.0	37.0	31.5	26.8	23.0	20.0	17.3	15.2	13.2	11.7	10.3
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.8	143.7	116.0	94.5	77.5	64.2	53.5	45.0	38.0	32.3	27.7	23.8	20.7	18.0	15.7	13.8	12.2
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.8	144.5	117.2	95.7	79.0	65.5	54.8	46.2	39.2	33.5	28.7	24.7	21.5	18.7	16.3	14.3
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.0	146.0	118.8	97.5	80.7	67.2	56.3	47.7	40.5	34.7	29.8	25.7	22.3	19.5	17.2
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	183.0	148.3	121.2	99.8	82.8	69.2	58.3	49.3	42.0	36.0	31.0	26.8	23.3	20.5
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	186.2	151.3	124.2	102.7	85.5	71.7	60.3	51.3	43.8	37.7	32.5	28.2	24.5
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	190.5	155.5	128.0	106.0	88.5	74.5	63.0	53.5	45.8	39.3	34.0	29.7
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	196.2	160.7	132.7	110.2	92.3	77.7	65.8	56.2	48.2	41.5	36.0
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	167.0	138.3	115.2	96.7	81.7	69.3	59.2	50.8	43.8
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	174.8	145.2	121.2	102.0	86.3	73.3	62.8	54.0
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	184.3	153.3	128.3	108.2	91.7	78.2	67.0
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.8	163.3	137.0	115.7	98.2	83.8
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	175.5	147.5	124.7	106.0
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	190.3	160.2	135.7
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	176.0

Figure A4.20. Tabular Representation of Parking Nomograph for C-17 on 23 ºF (-5 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

24 F	Gross C-17 Weight (lb)																																
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	1.2	0.8	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	1.3	1.2	1.0	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
68	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0
69	2.2	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
70	2.7	2.2	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
71	3.3	2.7	2.2	1.8	1.5	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
72	4.2	3.3	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
73	5.2	4.0	3.3	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
74	6.3	5.0	4.0	3.3	2.7	2.2	1.8	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75	8.0	6.3	5.0	4.0	3.3	2.7	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76	10.0	7.8	6.2	5.0	4.0	3.3	2.8	2.3	2.0	1.7	1.5	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77	12.7	9.7	7.7	6.2	5.0	4.0	3.3	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
78	15.8	12.2	9.5	7.5	6.0	5.0	4.0	3.3	2.8	2.3	2.0	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
79	20.0	15.3	11.8	9.3	7.5	6.0	4.8	4.0	3.3	2.8	2.5	2.2	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
80	25.3	19.2	14.7	11.5	9.2	7.3	6.0	5.0	4.2	3.5	2.8	2.5	2.2	1.8	1.7	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2
81	32.2	24.0	18.3	14.3	11.2	9.0	7.3	6.0	5.0	4.2	3.5	3.0	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
82	40.8	30.3	23.0	17.7	13.8	11.0	8.8	7.2	6.0	5.0	4.2	3.5	3.0	2.7	2.2	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3
83	52.0	38.3	28.8	22.0	17.2	13.5	10.8	8.8	7.2	6.0	5.0	4.2	3.7	3.0	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3
84	66.5	48.5	36.2	27.5	21.3	16.7	13.3	10.7	8.7	7.2	6.0	5.0	4.3	3.7	3.2	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5
85	85.0	61.7	45.7	34.3	26.5	20.7	16.3	13.0	10.7	8.7	7.2	6.0	5.2	4.3	3.7	3.2	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5
86	109.2	78.5	57.7	43.2	32.8	25.5	20.0	16.0	12.8	10.5	8.7	7.2	6.0	5.2	4.3	3.8	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5
87	140.7	100.2	73.0	54.2	41.0	31.7	24.7	19.7	15.7	12.8	10.5	8.7	7.3	6.2	5.2	4.5	3.8	3.3	2.8	2.5	2.2	2.0	1.8	1.5	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7
88	181.7	128.3	92.7	68.3	51.3	39.3	30.5	24.0	19.2	15.5	12.7	10.5	8.7	7.3	6.2	5.3	4.5	4.0	3.3	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.8
89	>200	164.7	118.0	86.3	64.5	49.0	37.8	29.7	23.5	18.8	15.3	12.7	10.5	8.8	7.3	6.3	5.3	4.7	4.0	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8
90	>200	>200	150.8	109.5	81.2	61.2	47.0	36.5	28.8	23.0	18.7	15.2	12.7	10.5	8.8	7.5	6.3	5.5	4.7	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0
91	>200	>200	193.3	139.3	102.5	76.7	58.5	45.2	35.5	28.2	22.7	18.5	15.2	12.7	10.5	8.8	7.5	6.5	5.5	4.8	4.2	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2
92	>200	>200	>200	177.7	129.7	96.5	73.0	56.2	43.8	34.7	27.7	22.5	18.3	15.2	12.7	10.7	9.0	7.7	6.5	5.7	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3
93	>200	>200	>200	>200	164.7	121.7	91.5	69.8	54.2	42.7	33.8	27.3	22.2	18.3	15.2	12.7	10.7	9.2	7.8	6.7	5.8	5.0	4.5	3.8	3.5	3.0	2.7	2.5	2.2	2.0	1.8	1.7	1.5
94	>200	>200	>200	>200	>200	154.0	115.0	87.2	67.2	52.5	41.7	33.3	27.0	22.2	18.3	15.2	12.8	10.8	9.2	7.8	6.8	6.0	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.3	2.0	1.8	1.7
95	>200	>200	>200	>200	>200	195.5	144.8	109.3	83.7	65.0	51.2	40.8	32.8	26.8	22.0	18.3	15.3	12.8	11.0	9.3	8.0	7.0	6.0	5.3	4.7	4.2	3.7	3.3	3.0	2.7	2.3	2.2	2.0
96	>200	>200	>200	>200	>200	>200	183.3	137.3	104.5	80.8	63.2	50.2	40.2	32.7	26.7	22.0	18.3	15.5	13.0	11.2	9.5	8.2	7.2	6.2	5.5	4.8	4.3	3.8	3.3	3.0	2.7	2.5	2.2
97	>200	>200	>200	>200	>200	>200	>200	173.2	131.0	100.7	78.3	61.8	49.3	39.8	32.3	26.7	22.2	18.5	15.7	13.2	11.3	9.7	8.5	7.3	6.3	5.7	5.0	4.3	4.0	3.5	3.2	2.8	2.5
98	>200	>200	>200	>200	>200	>200	>200	>200	164.8	125.8	97.3	76.3	60.7	48.7	39.5	32.3	26.7	22.2	18.7	15.8	13.5	11.5	10.0	8.7	7.5	6.7	5.8	5.2	4.5	4.0	3.7	3.3	3.0
99	>200	>200	>200	>200	>200	>200	>200	>200	>200	157.8	121.3	94.7	74.8	59.7	48.2	39.3	32.3	26.8	22.5	18.8	16.0	13.7	11.8	10.2	8.8	7.7	6.8	6.0	5.3	4.7	4.2	3.8	3.3
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	198.8	152.0	117.8	92.5	73.5	59.0	48.0	39.3	32.5	27.0	22.7	19.2	16.3	14.0	12.0	10.5	9.2	8.0	7.0	6.2	5.5	4.8	4.3	4.0
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	191.2	147.3	115.0	90.8	72.7	58.7	47.8	39.3	32.7	27.3	23.0	19.5	16.7	14.3	12.3	10.7	9.3	8.2	7.2	6.3	5.7	5.0	4.5
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	184.8	143.5	112.8	89.7	72.2	58.5	48.0	39.7	33.0	27.7	23.3	19.8	17.0	14.7	12.7	11.0	9.7	8.5	7.5	6.7	6.0	5.3
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.8	140.7	111.2	89.0	71.8	58.7	48.2	40.0	33.5	28.2	23.8	20.3	17.5	15.0	13.2	11.3	10.0	8.8	7.8	6.8	6.2
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	176.0	138.5	110.2	88.7	71.8	58.8	48.7	40.5	34.0	28.7	24.3	20.8	18.0	15.5	13.5	11.8	10.3	9.2	8.2	7.2
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	173.3	137.2	109.7	88.7	72.3	59.5	49.3	41.2	34.7	29.3	25.0	21.5	18.5	16.0	14.0	12.2	10.8	9.5	8.5
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	171.5	136.5	109.7	89.0	73.0	60.2	50.2	42.0	35.5	30.2	25.7	22.2	19.2	16.7	14.5	12.7	11.2	9.8
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	170.7	136.5	110.3	89.8	73.8	61.2	51.2	43.0	36.3	31.0	26.5	22.8	19.8	17.2	15.0	13.2	11.7
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	170.7	137.3	111.3	91.2	75.2	62.5	52.3	44.2	37.5	32.0	27.5	23.7	20.5	18.0	15.7	13.8
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	171.8	138.7	113.0	92.8	76.8	64.2	53.8	45.5	38.8	33.2	28.5	24.7	21.5	18.7	16.5
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	173.8	140.8	115.3	95.0	79.0	66.0	55.7	47.2	40.2	34.5	29.7	25.8	22.5	19.7
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	176.8	144.0	118.2	97.7	81.5	68.3	57.7	49.0	41.8	36.0	31.2	27.0	23.5
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.0	147.8	121.8	101.0	84.5	71.0	60.2	51.2	43.8	37.7	32.7	28.3
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	186.3	152.8	126.2	105.0	88.0	74.2	63.0	53.7	46.0	39.7	34.5
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	193.0	158.8	131.7	109.8	92.2	78.0	66.2	56.7	48.7	42.0
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	166.2	138.2	115.5	97.2	82.3	70.2	60.0	51.7
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	175.2	146.0	122.3	103.2	87.5	74.7	64.0
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	186.2	155.3	130.5	110.3	93.7	80.0
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	199.7	167.0	140.5	118.8	101.2
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.0	152.5	129.3
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	198.7	167.7

Figure A4.21. Tabular Representation of Parking Nomograph for C-17 on 24 ºF (-4.5 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

Gross C-17 Weight (lb)

Sea Ice Thickness (inches)

25 F	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0
60	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
61	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0
62	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
63	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
64	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
65	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
66	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67	1.3	1.0	0.8	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
68	1.7	1.3	1.2	1.0	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
69	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2
70	2.5	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2
71	3.2	2.5	2.0	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3
72	3.8	3.2	2.5	2.2	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3
73	4.8	3.8	3.2	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3
74	6.2	4.8	3.8	3.2	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5
75	7.7	6.0	4.8	3.8	3.2	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5
76	9.5	7.5	5.8	4.7	3.8	3.2	2.7	2.2	1.8	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7
77	12.0	9.3	7.3	5.8	4.7	3.8	3.2	2.7	2.3	2.0	1.7	1.5	1.2	1.0	1.0	0.8	0.7
78	15.2	11.7	9.0	7.2	5.8	4.7	3.8	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8
79	19.0	14.5	11.3	8.8	7.2	5.7	4.7	3.8	3.3	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0
80	24.0	18.2	14.0	11.0	8.7	7.0	5.7	4.7	4.0	3.3	2.8	2.3	2.0	1.8	1.5	1.3	1.2
81	30.5	22.8	17.5	13.7	10.7	8.7	7.0	5.7	4.7	4.0	3.3	2.8	2.5	2.2	1.8	1.7	1.3
82	38.7	28.8	21.8	16.8	13.2	10.5	8.5	7.0	5.7	4.8	4.0	3.3	2.8	2.5	2.2	1.8	1.7
83	49.2	36.3	27.3	21.0	16.3	13.0	10.3	8.5	6.8	5.7	4.8	4.0	3.5	3.0	2.5	2.2	2.0
84	62.8	46.0	34.3	26.2	20.3	16.0	12.7	10.2	8.3	6.8	5.8	4.8	4.2	3.5	3.0	2.7	2.3
85	80.3	58.3	43.3	32.7	25.2	19.7	15.5	12.5	10.2	8.3	6.8	5.8	4.8	4.2	3.5	3.0	2.7
86	103.2	74.2	54.5	41.0	31.3	24.3	19.2	15.3	12.3	10.0	8.3	7.0	5.8	5.0	4.2	3.7	3.2
87	132.7	94.7	69.0	51.5	39.0	30.0	23.5	18.7	15.0	12.2	10.0	8.3	7.0	5.8	5.0	4.3	3.7
88	171.2	121.0	87.7	64.8	48.8	37.3	29.0	23.0	18.3	14.8	12.2	10.0	8.3	7.0	6.0	5.2	4.3
89	>200	155.3	111.5	81.8	61.2	46.5	36.0	28.2	22.5	18.0	14.7	12.0	10.0	8.3	7.2	6.0	5.2
90	>200	>200	142.3	103.5	76.8	58.0	44.7	34.8	27.5	22.0	17.8	14.5	12.0	10.0	8.5	7.2	6.2
91	>200	>200	182.3	131.7	97.0	72.7	55.5	43.0	33.8	26.8	21.7	17.7	14.5	12.0	10.2	8.5	7.3
92	>200	>200	>200	167.7	122.7	91.3	69.3	53.3	41.7	33.0	26.5	21.5	17.5	14.5	12.2	10.2	8.7
93	>200	>200	>200	>200	155.7	115.2	86.7	66.3	51.5	40.5	32.3	26.0	21.2	17.5	14.5	12.2	10.3
94	>200	>200	>200	>200	198.2	145.5	108.8	82.7	63.8	50.0	39.7	31.8	25.8	21.2	17.5	14.5	12.3
95	>200	>200	>200	>200	>200	184.7	137.2	103.5	79.5	61.8	48.7	38.8	31.3	25.7	21.0	17.5	14.7
96	>200	>200	>200	>200	>200	>200	173.3	130.0	99.2	76.7	60.2	47.7	38.3	31.2	25.5	21.0	17.7
97	>200	>200	>200	>200	>200	>200	>200	163.8	124.2	95.5	74.3	58.7	47.0	37.8	31.0	25.5	21.2
98	>200	>200	>200	>200	>200	>200	>200	>200	156.0	119.2	92.3	72.5	57.7	46.3	37.7	30.8	25.5
99	>200	>200	>200	>200	>200	>200	>200	>200	196.7	149.5	115.2	89.8	71.0	56.8	46.0	37.5	30.8
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	188.0	144.0	111.8	88.0	70.0	56.2	45.7	37.5
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	180.8	139.7	109.2	86.3	69.2	55.8	45.7
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	175.0	136.2	107.2	85.3	68.7	55.8
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	170.5	133.5	105.7	84.7	68.5
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	166.8	131.5	104.7	84.3
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	164.3	130.2	104.3
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	162.7	129.7
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	161.8
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

25 F	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0
69	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
70	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0
71	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0
72	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0
73	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
74	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
78	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
79	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
80	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2
81	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
82	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3
83	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3
84	2.0	1.8	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5
85	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5
86	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5
87	3.2	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.8	0.7	0.7
88	3.8	3.3	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7
89	4.5	3.8	3.3	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8
90	5.3	4.5	4.0	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3	1.2	1.0	1.0
91	6.2	5.3	4.7	4.0	3.5	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.2
92	7.3	6.3	5.5	4.8	4.2	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2
93	8.7	7.5	6.5	5.5	4.8	4.3	3.8	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.5
94	10.3	8.8	7.7	6.5	5.7	5.0	4.3	3.8	3.5	3.0	2.7	2.5	2.2	2.0	1.8	1.7
95	12.3	10.5	9.0	7.8	6.7	5.8	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.3	2.0	1.8
96	14.8	12.5	10.7	9.2	8.0	6.8	6.0	5.3	4.7	4.2	3.7	3.3	3.0	2.7	2.3	2.2
97	17.7	15.0	12.7	10.8	9.3	8.2	7.0	6.2	5.5	4.8	4.2	3.8	3.3	3.0	2.7	2.5
98	21.3	17.8	15.2	12.8	11.0	9.5	8.3	7.2	6.3	5.7	5.0	4.3	4.0	3.5	3.2	2.8
99	25.7	21.5	18.2	15.3	13.2	11.3	9.8	8.5	7.5	6.5	5.8	5.2	4.5	4.0	3.7	3.3
100	31.0	25.8	21.7	18.3	15.7	13.5	11.5	10.0	8.8	7.7	6.8	6.0	5.3	4.7	4.2	3.8
101	37.5	31.2	26.2	22.0	18.7	16.0	13.7	11.8	10.3	9.0	7.8	7.0	6.2	5.5	4.8	4.3
102	45.7	37.8	31.5	26.5	22.3	19.0	16.3	14.2	12.2	10.7	9.3	8.2	7.2	6.3	5.7	5.2
103	55.8	46.0	38.2	32.0	27.0	22.8	19.5	16.8	14.5	12.5	11.0	9.7	8.5	7.5	6.7	6.0
104	68.5	56.2	46.5	38.7	32.5	27.5	23.3	20.0	17.2	14.8	13.0	11.3	10.0	8.8	7.8	7.0
105	84.3	68.8	56.7	47.0	39.3	33.2	28.2	24.0	20.5	17.8	15.3	13.5	11.8	10.3	9.2	8.2
106	104.3	84.8	69.5	57.5	47.8	40.2	33.8	28.8	24.7	21.2	18.3	16.0	14.0	12.2	10.8	9.5
107	129.7	104.8	85.7	70.5	58.5	48.8	41.2	34.8	29.7	25.5	22.0	19.0	16.5	14.5	12.7	11.2
108	162.0	130.3	106.0	86.8	71.7	59.7	50.0	42.2	35.8	30.7	26.3	22.7	19.7	17.2	15.2	13.3
109	>200	163.0	131.8	107.5	88.5	73.3	61.2	51.5	43.5	37.0	31.7	27.3	23.7	20.5	18.0	15.8
110	>200	>200	165.0	134.0	109.7	90.5	75.3	63.0	53.2	45.0	38.5	33.0	28.5	24.7	21.5	18.8
111	>200	>200	>200	167.8	136.8	112.5	93.2	77.7	65.2	55.2	46.8	40.0	34.5	29.8	25.8	22.5
112	>200	>200	>200	>200	171.8	140.5	115.8	96.2	80.5	67.8	57.5	49.0	42.0	36.2	31.3	27.2
113	>200	>200	>200	>200	>200	177.0	145.2	120.2	100.0	83.8	70.8	60.2	51.3	44.0	38.0	33.0
114	>200	>200	>200	>200	>200	>200	183.3	151.0	125.2	104.7	87.8	74.3	63.3	54.2	46.5	40.2
115	>200	>200	>200	>200	>200	>200	>200	191.3	158.0	131.5	110.0	92.7	78.5	67.0	57.3	49.3
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	166.7	138.8	116.5	98.3	83.5	71.3	61.2
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	177.0	147.8	124.3	105.2	89.3	76.5
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	189.8	158.8	133.8	113.3	96.5
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.3	145.3	123.2
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	189.0	159.5

Figure A4.22. Tabular Representation of Parking Nomograph for C-17 on 25 ºF (-4 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

26 F	Gross C-17 Weight (lb)																															
Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	1.5	1.3	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0
69	2.0	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
70	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0
71	3.0	2.5	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0
72	3.7	3.0	2.5	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0
73	4.7	3.7	3.0	2.5	2.0	1.7	1.5	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
74	5.8	4.7	3.7	3.0	2.5	2.0	1.7	1.5	1.3	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75	7.3	5.7	4.5	3.7	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76	9.2	7.2	5.7	4.5	3.7	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77	11.5	8.8	7.0	5.5	4.5	3.7	3.0	2.5	2.2	1.8	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
78	14.3	11.0	8.7	6.8	5.5	4.5	3.7	3.2	2.7	2.2	1.8	1.7	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
79	18.2	13.8	10.7	8.5	6.8	5.5	4.5	3.7	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
80	22.8	17.3	13.3	10.5	8.3	6.7	5.5	4.5	3.8	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2
81	29.0	21.7	16.7	13.0	10.2	8.2	6.7	5.5	4.5	3.8	3.2	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
82	36.7	27.3	20.8	16.0	12.7	10.0	8.2	6.7	5.5	4.5	3.8	3.3	2.8	2.3	2.0	1.8	1.7	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3
83	46.7	34.5	26.0	20.0	15.7	12.3	9.8	8.0	6.7	5.5	4.7	3.8	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3
84	59.5	43.5	32.7	24.8	19.3	15.2	12.2	9.8	8.0	6.7	5.5	4.7	4.0	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3
85	76.0	55.2	41.0	31.0	23.8	18.7	14.8	12.0	9.7	8.0	6.7	5.5	4.7	4.0	3.5	3.0	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
86	97.3	70.2	51.7	38.8	29.7	23.2	18.2	14.5	11.8	9.7	8.0	6.7	5.7	4.8	4.0	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5
87	125.0	89.5	65.3	48.8	37.0	28.7	22.5	17.8	14.3	11.7	9.7	8.0	6.7	5.7	4.8	4.2	3.5	3.2	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7
88	161.2	114.3	82.8	61.3	46.3	35.5	27.7	21.8	17.5	14.2	11.7	9.7	8.0	6.7	5.7	4.8	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8	0.8	0.7
89	>200	146.5	105.3	77.3	58.0	44.2	34.2	26.8	21.3	17.2	14.0	11.5	9.7	8.0	6.8	5.8	5.0	4.3	3.7	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8
90	>200	188.3	134.3	98.0	72.8	55.2	42.3	33.2	26.2	21.0	17.0	14.0	11.5	9.7	8.2	6.8	5.8	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0
91	>200	>200	171.8	124.3	91.7	69.0	52.7	40.8	32.2	25.7	20.7	16.8	13.8	11.5	9.7	8.2	7.0	6.0	5.2	4.5	3.8	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3	1.2	1.0
92	>200	>200	>200	158.3	116.0	86.5	65.7	50.7	39.7	31.5	25.2	20.5	16.8	13.8	11.7	9.8	8.3	7.0	6.0	5.3	4.5	4.0	3.5	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2
93	>200	>200	>200	>200	147.0	109.0	82.2	63.0	49.0	38.7	30.8	24.8	20.3	16.7	13.8	11.7	9.8	8.3	7.2	6.2	5.3	4.7	4.2	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3
94	>200	>200	>200	>200	187.0	137.5	103.0	78.5	60.7	47.5	37.7	30.3	24.7	20.2	16.7	14.0	11.7	10.0	8.5	7.3	6.3	5.5	4.8	4.2	3.7	3.3	3.0	2.7	2.3	2.2	2.0	1.7	1.5
95	>200	>200	>200	>200	>200	174.3	129.7	98.2	75.3	58.7	46.3	37.0	30.0	24.5	20.2	16.8	14.0	11.8	10.2	8.7	7.5	6.5	5.7	5.0	4.3	3.8	3.3	3.0	2.7	2.5	2.2	2.0	1.8
96	>200	>200	>200	>200	>200	>200	163.8	123.2	94.0	72.8	57.2	45.5	36.5	29.7	24.3	20.2	16.8	14.2	12.0	10.3	8.8	7.7	6.7	5.8	5.0	4.5	4.0	3.5	3.2	2.8	2.5	2.3	2.0
97	>200	>200	>200	>200	>200	>200	>200	155.0	117.5	90.5	70.7	55.8	44.7	36.2	29.5	24.3	20.2	17.0	14.3	12.2	10.5	9.0	7.8	6.8	6.0	5.2	4.7	4.2	3.7	3.3	3.0	2.7	2.3
98	>200	>200	>200	>200	>200	>200	>200	195.8	147.7	113.0	87.7	69.0	54.8	44.2	35.8	29.5	24.3	20.3	17.2	14.5	12.3	10.7	9.2	8.0	7.0	6.2	5.3	4.8	4.2	3.8	3.3	3.0	2.7
99	>200	>200	>200	>200	>200	>200	>200	>200	186.0	141.5	109.2	85.3	67.5	54.2	43.8	35.8	29.5	24.5	20.5	17.3	14.7	12.7	10.8	9.3	8.2	7.2	6.3	5.5	5.0	4.3	4.0	3.5	3.2
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	177.8	136.5	106.2	83.5	66.5	53.5	43.5	35.8	29.7	24.7	20.8	17.7	15.0	12.8	11.2	9.7	8.5	7.3	6.5	5.8	5.2	4.5	4.0	3.7
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	171.2	132.3	103.7	82.2	65.8	53.2	43.5	35.8	29.8	25.0	21.2	18.0	15.3	13.2	11.3	10.0	8.7	7.7	6.7	6.0	5.3	4.7	4.2
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	165.8	129.2	101.7	81.2	65.3	53.2	43.7	36.2	30.2	25.3	21.5	18.3	15.7	13.5	11.7	10.2	9.0	7.8	7.0	6.2	5.5	5.0
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	161.5	126.5	100.3	80.5	65.2	53.2	43.8	36.5	30.5	25.8	21.8	18.7	16.0	13.8	12.0	10.5	9.3	8.2	7.2	6.3	5.7
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	158.2	124.8	99.5	80.2	65.2	53.5	44.3	37.0	31.0	26.3	22.3	19.2	16.5	14.3	12.5	10.8	9.7	8.5	7.5	6.7
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	198.5	155.8	123.7	99.2	80.3	65.5	54.0	44.8	37.7	31.7	26.8	23.0	19.7	17.0	14.8	12.8	11.3	10.0	8.8	7.8
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.5	154.3	123.2	99.2	80.7	66.2	54.8	45.7	38.3	32.5	27.7	23.7	20.3	17.7	15.3	13.3	11.7	10.3	9.2
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	193.5	153.7	123.2	99.7	81.5	67.2	55.7	46.7	39.3	33.3	28.3	24.3	21.0	18.2	15.8	13.8	12.2	10.8
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	192.7	153.8	123.8	100.8	82.7	68.3	57.0	47.8	40.3	34.3	29.3	25.2	21.8	19.0	16.5	14.5	12.8
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	193.0	154.8	125.3	102.3	84.2	69.8	58.3	49.2	41.7	35.5	30.3	26.2	22.7	19.7	17.3	15.2
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	194.5	156.7	127.3	104.3	86.2	71.7	60.2	50.7	43.2	36.8	31.7	27.3	23.7	20.7	18.0
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	197.2	159.5	130.0	107.0	88.7	74.0	62.2	52.7	44.8	38.3	33.0	28.5	24.8	21.7
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	163.2	133.7	110.3	91.7	76.8	64.7	54.8	46.8	40.2	34.5	30.0	26.0
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.2	138.2	114.3	95.3	80.0	67.5	57.3	49.0	42.2	36.3	31.7
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	174.2	143.7	119.2	99.7	83.8	71.0	60.3	51.7	44.5	38.5
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.8	150.3	125.0	104.8	88.3	75.0	64.0	54.8	47.3
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	191.2	158.5	132.2	111.0	93.8	79.7	68.0	58.5
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.3	140.7	118.3	100.2	85.3	73.0
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	180.3	151.2	127.3	108.0	92.0
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.3	163.8	138.3	117.5
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	179.7	151.8

Figure A4.23. Tabular Representation of Parking Nomograph for C-17 on 26 ºF (-3.5 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

Sea Ice Thickness (inches)	Gross C-17 Weight (lb)																																
27 F	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	1.0	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0
69	1.8	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0
70	2.3	1.8	1.5	1.3	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0
71	2.8	2.3	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
72	3.5	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
73	4.5	3.5	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
74	5.5	4.3	3.5	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
75	7.0	5.5	4.3	3.5	2.8	2.3	2.0	1.7	1.5	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76	8.7	6.8	5.3	4.3	3.5	3.0	2.5	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77	10.8	8.5	6.7	5.3	4.3	3.5	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
78	13.7	10.5	8.3	6.5	5.3	4.3	3.5	3.0	2.5	2.2	1.8	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
79	17.2	13.2	10.2	8.2	6.5	5.3	4.3	3.7	3.0	2.5	2.2	1.8	1.7	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
80	21.7	16.5	12.7	10.0	8.0	6.5	5.3	4.3	3.7	3.0	2.7	2.2	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2
81	27.5	20.7	15.8	12.3	9.8	7.8	6.3	5.2	4.3	3.7	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
82	34.8	26.0	19.8	15.3	12.0	9.7	7.8	6.3	5.3	4.3	3.7	3.2	2.7	2.3	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
83	44.2	32.7	24.7	19.0	14.8	11.8	9.5	7.7	6.3	5.3	4.5	3.7	3.2	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3
84	56.2	41.3	31.0	23.7	18.3	14.5	11.5	9.3	7.7	6.3	5.3	4.5	3.8	3.2	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3
85	71.7	52.3	38.8	29.5	22.8	17.8	14.2	11.3	9.3	7.7	6.3	5.3	4.5	3.8	3.3	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
86	91.8	66.3	49.0	36.8	28.3	22.0	17.3	13.8	11.3	9.2	7.7	6.3	5.3	4.5	3.8	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5
87	118.0	84.5	61.8	46.2	35.2	27.2	21.3	17.0	13.7	11.2	9.2	7.7	6.5	5.5	4.7	4.0	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7
88	151.8	107.8	78.3	58.2	43.8	33.7	26.3	20.8	16.7	13.5	11.2	9.2	7.7	6.5	5.5	4.7	4.0	3.5	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7
89	196.2	138.2	99.5	73.3	55.0	42.0	32.5	25.7	20.3	16.5	13.5	11.0	9.2	7.7	6.5	5.5	4.8	4.2	3.5	3.2	2.7	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.2	1.0	1.0	0.8	0.8
90	>200	177.5	126.8	92.7	69.0	52.3	40.3	31.5	25.0	20.0	16.3	13.3	11.0	9.2	7.8	6.7	5.7	4.8	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8
91	>200	>200	162.2	117.5	86.8	65.3	50.0	38.8	30.7	24.5	19.8	16.2	13.3	11.0	9.3	7.8	6.7	5.7	5.0	4.3	3.8	3.3	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0
92	>200	>200	>200	149.3	109.7	82.0	62.3	48.2	37.7	30.0	24.0	19.5	16.0	13.3	11.2	9.3	8.0	6.8	5.8	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3	1.2
93	>200	>200	>200	190.7	138.8	103.0	77.8	59.8	46.5	36.7	29.3	23.7	19.3	16.0	13.3	11.2	9.5	8.0	6.8	6.0	5.2	4.5	4.0	3.5	3.2	2.7	2.5	2.2	2.0	1.8	1.7	1.5	1.3
94	>200	>200	>200	>200	176.5	130.0	97.5	74.5	57.7	45.2	36.0	28.8	23.5	19.3	16.0	13.3	11.3	9.5	8.2	7.0	6.0	5.3	4.7	4.0	3.7	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.5
95	>200	>200	>200	>200	>200	164.7	122.7	93.0	71.5	55.8	44.2	35.3	28.5	23.3	19.3	16.0	13.5	11.3	9.7	8.3	7.2	6.2	5.5	4.8	4.2	3.7	3.3	3.0	2.7	2.3	2.2	2.0	1.7
96	>200	>200	>200	>200	>200	>200	154.8	116.5	89.2	69.2	54.3	43.3	34.8	28.3	23.3	19.3	16.2	13.5	11.5	9.8	8.5	7.3	6.3	5.5	4.8	4.3	3.8	3.3	3.0	2.7	2.5	2.2	2.0
97	>200	>200	>200	>200	>200	>200	196.0	146.5	111.3	85.8	67.2	53.2	42.5	34.5	28.2	23.2	19.3	16.2	13.7	11.7	10.0	8.7	7.5	6.5	5.7	5.0	4.5	4.0	3.5	3.2	2.8	2.5	2.3
98	>200	>200	>200	>200	>200	>200	>200	185.0	139.7	107.0	83.2	65.5	52.2	42.0	34.2	28.2	23.3	19.5	16.3	13.8	11.8	10.2	8.8	7.7	6.7	5.8	5.2	4.7	4.2	3.7	3.3	3.0	2.7
99	>200	>200	>200	>200	>200	>200	>200	>200	175.8	134.0	103.5	81.0	64.2	51.5	41.7	34.2	28.2	23.5	19.7	16.7	14.2	12.2	10.5	9.0	7.8	6.8	6.0	5.3	4.8	4.2	3.8	3.3	3.0
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	168.3	129.3	100.7	79.3	63.3	51.0	41.5	34.2	28.3	23.7	19.8	16.8	14.3	12.3	10.7	9.3	8.2	7.2	6.3	5.5	5.0	4.3	4.0	3.5
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	162.0	125.5	98.3	78.0	62.7	50.7	41.5	34.2	28.5	23.8	20.2	17.2	14.7	12.7	11.0	9.5	8.3	7.3	6.5	5.7	5.2	4.5	4.2
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	157.0	122.3	96.7	77.2	62.2	50.7	41.7	34.5	28.8	24.2	20.5	17.5	15.0	13.0	11.3	9.8	8.7	7.5	6.7	6.0	5.3	4.7
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	197.3	153.0	120.0	95.3	76.5	62.0	50.7	41.8	34.8	29.2	24.7	21.0	18.0	15.5	13.3	11.7	10.2	8.8	7.8	7.0	6.2	5.5
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	192.0	149.8	118.3	94.5	76.3	62.2	51.0	42.3	35.3	29.7	25.2	21.5	18.3	15.8	13.7	12.0	10.5	9.2	8.2	7.2	6.5
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	188.0	147.7	117.3	94.2	76.3	62.5	51.5	42.8	35.8	30.3	25.7	22.0	18.8	16.3	14.2	12.3	10.8	9.5	8.5	7.5
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	185.2	146.3	116.8	94.3	76.8	63.0	52.2	43.7	36.7	31.0	26.3	22.7	19.5	16.8	14.7	12.8	11.3	10.0	8.8
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	183.3	145.8	117.0	94.8	77.5	64.0	53.2	44.5	37.5	31.8	27.2	23.3	20.2	17.5	15.3	13.3	11.8	10.3
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	182.7	146.0	117.7	95.8	78.7	65.2	54.3	45.7	38.5	32.8	28.0	24.2	20.8	18.2	15.8	14.0	12.3
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	183.0	147.0	119.0	97.3	80.2	66.7	55.7	47.0	39.8	34.0	29.2	25.2	21.7	19.0	16.5	14.5
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	184.5	148.7	121.0	99.3	82.2	68.3	57.3	48.5	41.2	35.2	30.3	26.2	22.7	19.8	17.3
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	187.0	151.3	123.7	101.8	84.5	70.5	59.3	50.3	42.8	36.7	31.5	27.3	23.8	20.8
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	190.7	155.0	127.0	105.0	87.3	73.2	61.7	52.3	44.7	38.3	33.2	28.7	25.0
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.7	159.7	131.3	108.8	90.8	76.3	64.5	54.8	46.8	40.3	34.8	30.3
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	165.5	136.5	113.5	94.8	80.0	67.7	57.7	49.5	42.5	36.8
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.7	142.8	119.0	99.8	84.2	71.5	61.0	52.3	45.2
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.7	150.7	125.8	105.7	89.3	76.0	65.0	55.8
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	192.5	160.0	134.0	112.8	95.5	81.3	69.7
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	171.5	143.8	121.3	103.0	87.8
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	185.7	155.8	131.7	111.8
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	171.0	144.7

Figure A4.24. Tabular Representation of Parking Nomograph for C-17 on 27 ºF (-2.5 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

Gross C-17 Weight (lb)

28 F — Sea Ice Thickness (inches)	280,000	290,000	300,000	310,000	320,000	330,000	340,000	350,000	360,000	370,000	380,000	390,000	400,000	410,000	420,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0
60	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
61	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
62	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0
63	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0
64	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0
65	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
66	0.8	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
67	1.2	1.0	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
68	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2
69	1.8	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.2
70	2.2	1.8	1.5	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3
71	2.7	2.2	1.8	1.5	1.3	1.0	0.8	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3
72	3.3	2.7	2.2	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.3	0.3
73	4.2	3.3	2.7	2.3	1.8	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.5	0.5	0.5
74	5.3	4.2	3.3	2.8	2.3	1.8	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5
75	6.7	5.2	4.2	3.3	2.8	2.3	2.0	1.7	1.3	1.2	1.0	0.8	0.8	0.7	0.7
76	8.3	6.5	5.2	4.2	3.3	2.8	2.3	2.0	1.7	1.5	1.2	1.0	1.0	0.8	0.7
77	10.3	8.0	6.3	5.2	4.2	3.3	2.8	2.3	2.0	1.7	1.5	1.3	1.2	1.0	0.8
78	13.0	10.0	7.8	6.3	5.0	4.2	3.5	2.8	2.3	2.0	1.8	1.5	1.3	1.2	1.0
79	16.3	12.5	9.8	7.7	6.2	5.0	4.2	3.5	2.8	2.5	2.2	1.8	1.5	1.3	1.2
80	20.7	15.7	12.2	9.5	7.7	6.2	5.0	4.2	3.5	3.0	2.5	2.2	1.8	1.7	1.3
81	26.0	19.7	15.0	11.8	9.3	7.5	6.2	5.0	4.2	3.5	3.0	2.5	2.2	1.8	1.7
82	33.0	24.7	18.8	14.5	11.5	9.2	7.5	6.0	5.0	4.2	3.5	3.0	2.5	2.2	2.0
83	41.8	31.0	23.5	18.2	14.2	11.2	9.0	7.3	6.0	5.0	4.2	3.7	3.0	2.7	2.3
84	53.2	39.2	29.3	22.5	17.5	13.8	11.0	9.0	7.3	6.0	5.0	4.3	3.7	3.2	2.7
85	67.8	49.5	36.8	28.0	21.7	17.0	13.5	10.8	8.8	7.3	6.2	5.2	4.3	3.7	3.2
86	86.7	62.8	46.5	35.0	26.8	21.0	16.5	13.3	10.8	8.8	7.3	6.2	5.2	4.3	3.8
87	111.2	79.8	58.7	43.8	33.5	25.8	20.3	16.2	13.2	10.7	8.8	7.3	6.2	5.2	4.5
88	143.0	101.8	74.2	55.0	41.7	32.0	25.0	19.8	16.0	13.0	10.7	8.8	7.3	6.2	5.3
89	184.7	130.3	94.0	69.3	52.2	39.8	31.0	24.3	19.5	15.7	12.8	10.5	8.8	7.3	6.3
90	>200	167.2	119.7	87.7	65.3	49.7	38.3	30.0	23.8	19.2	15.5	12.8	10.5	8.8	7.5
91	>200	>200	152.8	111.0	82.2	62.0	47.5	37.0	29.2	23.3	18.8	15.3	12.7	10.7	8.8
92	>200	>200	195.8	141.0	103.7	77.7	59.2	45.7	35.8	28.5	23.0	18.7	15.3	12.7	10.7
93	>200	>200	>200	179.8	131.2	97.5	73.8	56.7	44.2	35.0	28.0	22.7	18.5	15.3	12.7
94	>200	>200	>200	>200	166.5	123.0	92.3	70.5	54.7	43.0	34.2	27.5	22.5	18.5	15.3
95	>200	>200	>200	>200	>200	155.5	116.0	88.2	67.8	53.0	42.0	33.7	27.2	22.3	18.3
96	>200	>200	>200	>200	>200	197.3	146.3	110.3	84.5	65.7	51.7	41.2	33.2	27.0	22.2
97	>200	>200	>200	>200	>200	>200	185.2	138.7	105.5	81.5	63.8	50.5	40.5	32.8	26.8
98	>200	>200	>200	>200	>200	>200	>200	174.8	132.2	101.5	79.0	62.3	49.7	40.0	32.7
99	>200	>200	>200	>200	>200	>200	>200	>200	166.3	126.8	98.2	77.0	61.2	49.0	39.8
100	>200	>200	>200	>200	>200	>200	>200	>200	>200	159.2	122.5	95.5	75.3	60.2	48.5
101	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	153.3	118.8	93.3	74.2	59.5
102	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	193.0	148.7	116.2	91.7	73.3
103	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	186.7	145.0	114.0	90.5
104	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	181.8	142.2	112.3
105	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	178.0	140.0
106	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	175.3
107	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
108	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
109	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
110	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
111	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
112	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
113	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
114	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
115	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200

28 F — Sea Ice Thickness (inches)	430,000	440,000	450,000	460,000	470,000	480,000	490,000	500,000	510,000	520,000	530,000	540,000	550,000	560,000	570,000	580,000	590,000	600,000
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0
70	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0
71	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0
72	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0
73	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0
74	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
75	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
78	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
79	1.0	1.0	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
80	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
81	1.5	1.3	1.2	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
82	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
83	2.0	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.3	0.3
84	2.3	2.0	1.8	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.3
85	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5
86	3.2	2.8	2.5	2.2	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.5	0.5
87	3.8	3.3	2.8	2.5	2.2	2.0	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.8	0.7	0.7	0.5
88	4.5	3.8	3.3	3.0	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0	0.8	0.8	0.7	0.7
89	5.3	4.7	4.0	3.5	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2	1.0	0.8	0.8	0.8
90	6.3	5.5	4.7	4.0	3.5	3.2	2.7	2.3	2.2	1.8	1.7	1.5	1.3	1.3	1.2	1.0	1.0	0.8
91	7.5	6.5	5.5	4.8	4.2	3.7	3.2	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	1.0
92	9.0	7.7	6.5	5.7	4.8	4.2	3.7	3.3	2.8	2.5	2.3	2.0	1.8	1.7	1.5	1.3	1.2	1.2
93	10.7	9.0	7.7	6.7	5.7	5.0	4.3	3.8	3.3	3.0	2.7	2.3	2.2	1.8	1.7	1.5	1.5	1.3
94	12.8	10.8	9.2	7.8	6.7	5.8	5.2	4.5	4.0	3.5	3.0	2.7	2.5	2.2	2.0	1.8	1.7	1.5
95	15.3	12.8	10.8	9.3	8.0	6.8	6.0	5.2	4.5	4.0	3.5	3.2	2.8	2.5	2.3	2.0	1.8	1.7
96	18.5	15.5	13.0	11.0	9.5	8.2	7.0	6.2	5.3	4.7	4.2	3.7	3.3	3.0	2.7	2.3	2.2	2.0
97	22.2	18.5	15.5	13.2	11.2	9.7	8.3	7.2	6.3	5.5	4.8	4.3	3.8	3.3	3.0	2.7	2.5	2.2
98	26.8	22.3	18.7	15.7	13.3	11.3	9.8	8.5	7.3	6.5	5.7	5.0	4.5	4.0	3.5	3.2	2.8	2.5
99	32.5	26.8	22.3	18.8	15.8	13.5	11.7	10.0	8.7	7.5	6.7	5.8	5.2	4.5	4.2	3.7	3.3	3.0
100	39.7	32.5	27.0	22.7	19.0	16.2	13.8	11.8	10.3	8.8	7.8	6.8	6.0	5.3	4.7	4.2	3.8	3.3
101	48.3	39.5	32.7	27.2	22.8	19.3	16.5	14.2	12.2	10.5	9.2	8.0	7.0	6.2	5.5	5.0	4.3	4.0
102	59.2	48.2	39.7	33.0	27.5	23.2	19.7	16.8	14.5	12.5	10.8	9.5	8.3	7.3	6.5	5.7	5.2	4.5
103	72.8	59.0	48.3	40.0	33.3	27.8	23.7	20.0	17.2	14.8	12.8	11.2	9.7	8.5	7.5	6.7	6.0	5.3
104	89.8	72.5	59.2	48.7	40.3	33.7	28.3	24.0	20.5	17.7	15.2	13.2	11.5	10.0	8.8	7.8	7.0	6.2
105	111.3	89.5	72.7	59.5	49.2	40.8	34.3	29.0	24.7	21.0	18.2	15.7	13.7	11.8	10.5	9.2	8.2	7.2
106	138.8	111.0	89.7	73.2	60.2	49.8	41.7	35.0	29.7	25.3	21.7	18.7	16.2	14.2	12.3	10.8	9.7	8.5
107	173.8	138.3	111.2	90.2	73.8	61.0	50.7	42.5	35.8	30.5	26.0	22.3	19.3	16.8	14.7	12.8	11.3	10.0
108	>200	173.2	138.5	111.8	91.2	75.0	62.0	51.8	43.5	36.8	31.3	26.8	23.2	20.0	17.5	15.2	13.3	11.8
109	>200	>200	173.5	139.5	113.2	92.5	76.3	63.5	53.2	44.8	38.0	32.5	27.8	24.0	20.8	18.2	15.8	14.0
110	>200	>200	>200	175.0	141.2	115.0	94.5	78.2	65.2	54.8	46.3	39.3	33.7	29.0	25.0	21.8	19.0	16.7
111	>200	>200	>200	>200	177.3	143.8	117.5	96.8	80.5	67.3	56.7	48.0	41.0	35.0	30.2	26.2	22.8	20.0
112	>200	>200	>200	>200	>200	180.8	147.2	120.8	99.8	83.2	69.8	58.8	50.0	42.7	36.7	31.7	27.5	24.0
113	>200	>200	>200	>200	>200	>200	185.7	151.7	124.8	103.5	86.5	72.7	61.5	52.3	44.8	38.5	33.3	29.0
114	>200	>200	>200	>200	>200	>200	>200	191.8	157.2	129.8	108.0	90.3	76.2	64.7	55.2	47.2	40.7	35.3
115	>200	>200	>200	>200	>200	>200	>200	>200	199.7	164.2	135.8	113.3	95.2	80.3	68.2	58.3	50.0	43.2
116	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	172.5	143.2	119.7	100.7	85.2	72.5	62.0	53.3
117	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	182.8	152.2	127.5	107.3	91.0	77.7	66.5
118	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	195.5	163.0	136.8	115.5	98.2	83.7
119	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	176.5	148.3	125.5	106.7
120	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	193.2	162.7	137.7

Figure A4.25. Tabular Representation of Parking Nomograph for C-17 on 28 ºF (-2 ºC) Sea Ice (Values in Table are Parking Time in Hours at a Single Location)

TEST PLAN FOR SEA ICE RUNWAY WHEELED AIRCRAFT OPERATIONS CERTIFICATION

A5.1. Introduction. This test plan documents and explains the required steps, methods, and tools required to certify the Sea Ice Runway for wheeled aircraft operations. The primary attributes that govern certification are dimensions and grades, markings, pavement strength (short and long term), and ice temperature profiles.

A5.2. Certification Process.

A5.2.1. Dimensions and Grades.

A5.2.1.1. Measure features in the runway area (as depicted in Figures 1, 2, and 3). Use available and expedient survey methods and tools (e.g., taping, measuring wheel, transit, laser) to verify that the dimensions and grades of the following airfield components are as required in Tables 1 through 4.

- Runway
- Shoulders
- Overrun area (each end, if present)
- Taxiway
- Apron (refuel, load/unload, turnaround)
- End clear areas
- Lateral clear areas

A5.2.1.2. Verify dimensions and grades of each feature at the approximate locations shown in Figures 1, 2, and 3. Note that some areas and zones will blend seamlessly (without indication) into other areas, such as where the runway width transitions to the shoulders. In these situations, simply measure and verify that the combined dimensions of the features are per specification.

A5.2.1.3. On Figures 1, 2, and 3, place a check mark (**√**) by each dimension and grade that has been measured and approved, and place an **X** by any dimension that fails the inspection, noting where the failure is located. Measurements that fail the inspection must be documented and brought to the attention of the airfields manager.

A5.2.2. Markings and NAVAIDS. AFMAN 32-1076 governs the placement of markings and NAVAIDs.

A5.2.2.1. Check that markings and NAVAIDS are in the correct positions and properly annotated as shown in Figure 6.

Note: Direct on-snow marking is prohibited.

A5.2.2.2. Verify that the bottom of the marker (flag) is at least 1 meter (3 feet) above the snow surface. Marker dimensions (which vary depending on required markings) must conform to Figure 7.

A5.2.2.3. Check that flags are attached to frangible (break-away or bend-away) poles. Suitable poles can be made of common bamboo or lightweight plastic, but must not be metal or large, solid wood (e.g., 100-millimeter by 100-millimeter [4-inch by 4-inch] posts).

A5.2.2.4. Each flag will be stretched out between two poles and attached to the poles by means that are wind-proof and sturdy (but removable), such as with clamps and cords.

A5.2.2.5. On Figure 6, place a check mark (√) by each flag that is properly placed and marked, and place an **X** by any missing, misplaced, or improperly marked flags. Flagging problems must be documented and brought to the attention of the airfields manager.

A5.2.3. Sea Ice Temperature. (**Note:** Required with or without the presence of snow cap on sea ice surface.)

A5.2.3.1. Paragraph 8.2 et seq. indicates the importance of temperature measurements for structural certification. Sea ice temperature is ideally measured with a continuously recording imbedded sensor string located at a number of representative locations. If such sensors are not available, manual temperature readings must be taken during the warmest (air temperature) three-hour period during the day. Collect ice temperatures (measured at a depth of 150 millimeters [6 inches]) at a minimum of four (4) locations on the runway proper and at two (2) locations in the apron/parking area. Temperature data will be collected at a minimum of the following frequencies:

- Period 1: Once every two weeks
- Period 2: Once every week
- Period 3: Three times per week; at least one day between measurements
- Period 4: Once every day

A5.2.3.2 Sea Ice Evaluation Temperature. The sea ice temperature used for evaluating the structural capacity (referred to as the “evaluation temperature”) should be determined by calculating the simple average of the measured temperatures at the (minimum) six locations sampled. For example, if the measured temperatures are 10, 12, 13, 11, 14 and 10 ºF, the evaluation temperature is equal to (10+12+13+11+14+10) ÷ 6 = **11.7** ºF. The evaluation temperature is then used, with sea ice thickness to determine safe landing and parking parameters.

A5.2.4. Sea Ice Thickness.

A5.2.4.1. The sea ice thickness used for evaluating the structural capacity (referred to as the "evaluation thickness") should be determined using a statistical approach applied to the set of measured thickness data points. The evaluation thickness should be equal to or less than 85% of all the measured thicknesses. This corresponds to an evaluation thickness of one standard deviation below the mean. If 10 or less thickness measurements are made, then the lowest of the measured values should be used as the evaluation thickness. An example procedure for determining the evaluation thickness is detailed in Attachment 2.

A5.2.4.2. Actual ice thickness must be measured at no less than 16 random locations spread throughout the runway surface, with no less than half being located within a 15-meter (50-foot) wide swath down the center of the runway. Ideally, since a statistical approach is used, more measurements will lead to greater confidence levels. Thickness measurements must begin at least ten (10) days before the intended onset of flight operations. Measurements will continue throughout the entire duration of flight operations. Measurement frequency will be the same as for temperature measurements (see paragraph A5.2.3.1).

A5.2.5. Increased measurement density over that given in paragraph A5.2.3.1 (for temperature or thickness) is only required during operating periods when the average thickness of the sea ice is nearing the point where it may limit gross aircraft weights and parking times for the aircraft type to be operated. For large aircraft, this will likely be the case any time first-year sea ice is encountered. See Attachment 2 for a description of the process for statistically establishing sea ice thickness.

A5.2.6. Approval and Documentation Storage. The certification team leader and the airfields manager will sign the final results from the data analysis. These signed documents and the electronic and hardcopy data and analysis results will be provided to and maintained by the airfields manager, and will also be provided to the certification team leader for forwarding to HQ AMC/A7OI.

CONVERSION FACTORS

TO CONVERT	TO	DIVIDE BY
LENGTH		
millimeters (mm)	inches (in)	25.4
centimeters (cm)	inches (in)	2.54
meters (m)	inches (in)	0.0254
meters (m)	feet (ft)	0.3048
meters (m)	yards (yd)	0.9144
kilometers (km)	miles (mi)	1.60948
AREA		
square millimeters (mm^2)	square inches (in^2)	645.16
square centimeters (cm^2)	square inches (in^2)	6.4516
square meters (m^2)	square inches (in^2)	0.00064516
square meters (m^2)	square feet (ft^2)	0.09290
square meters (m^2)	square yards (yd^2)	0.83613
square kilometers (km^2)	square miles (mi^2)	2.59043
square kilometers (km^2)	acres	0.00404
VOLUME		
cubic millimeters (mm^3)	cubic inches (in^3)	16,387
cubic centimeters (cm^3)	cubic inches (in^3)	16,487,000
cubic meters (m^3)	cubic feet (ft^3)	0.028317
cubic meters (m^3)	cubic yards (yd^3)	0.764559
MASS		
kilograms (kg)	pounds (lb)	0.45359
FORCE		
Newtons (N)	pounds (lbf)	4.44822
STRESS		
kiloPascals (kPa)	pounds per square	6.89476
TEMPERATURE		
Degrees Centigrade (ºC)	Degrees Fahrenheit (ºF)	Multiply by 1.8, then add 32

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